





# AVNISH SINGH JAT

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## SUMMARY

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Led the development of software technology and product vision roadmap working in close consultation with customers worldwide to deliver innovative software products that represent leading-edge value. Alongside completed my Master's in Information Technology from University of Derby. Researched and published different application based innovative projects and awarded with various recognition for the same. As a researcher and developer my motive is to work in a dynamic environment that provides me a wide spectrum of experience and exposure.

## EXPERIENCE

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### ❖ Chief Technical Officer

#### INDICIUM HUB

Aug 2017 - Present (3 years 6 months +)

Heading the team to design a responsive , interactive, and compatible website and cross platform applications for the organizations and to guiding them for acquiring better knowledge in the field.

### ❖ Managing Director

#### ArtisticGifters Private Limited

Sep 2019 - Present (1 year 5 months +)

Heading this amazing organization with the aim is to provide a platform for every individual who wishes to dive into the creation of art or who just wants to simply enjoy the beauty of it. Utilizing my expertise in 3D modelling, Graphic Design, and web development to develop more innovative and artistic products.

### ❖ Student Representative

#### University of Derby

Feb 2018 - Jul 2019 (1 year 6 months)

A College Representative is a role of responsibility held by a student that was democratically elected by their peers within their college of study. This student post was held for one academic year and required us to voluntarily dedicate a large quantity of time to ensure the success of representing the students on our course within the Students Union and the University.

### ❖ Senior Software Developer

#### INDICIUM HUB

Aug 2016 – Aug 2017 (1 yr 1 mo) (Part Time)

## TEACHING EXPERIENCE

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### Research Mentor

#### INDICIUM HUB

**Aug 2017 - Present (3 years 6 months +)**

Provided guidance to students for working on research projects. All these students were enrolled in bachelors program at different institution and are employed as research interns by Indicium Hub. Till date more than hundred students all around globe are supervised and many have published their research in International Journals.

### Guest Lecture

#### The ICFAI University

Invited to give guest lecture on advanced web development technologies. The lecture discussed the importance of HCI in UI/UX development and development of website using latest programming languages. Students were instructed to code a website from scratch on this eight-hour long lecture.

Also conducted various workshop at different institutions on Robotics (Utilizing Arduino) and Advanced IT technologies.

## EDUCATION

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### Master of Science in Information Technology (90 ECTS)

University of Derby, United Kingdom (January 2018-January 2021) Grade: Merit

### Bachelor of Technology in Information Technology

Jaypee Institute of Information Technology, India  
(2013-2017) CGPA: 7.0 (on a scale of 10)

## HONORS & AWARDS

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### Best Presenter Award At International Conference - Conference World

May 2016

Awarded with Best Presenter Award At International Conference held at Indian International Center for presenting my paper titled as "Project Management : A Comprehensive Approach"

### Active Young Researcher Award 2016 - AR Research Publication

Dec 2016

Awarded with "Active Young Researcher Award-2016" from AR Research Publication and Conference World for continuous contribution in the research field and publishing 6 research paper in year 2016.

### Best Thesis Award (RACE'20, Bangkok) - International Association of Research and Developed Organization and KU Home, Kasetsart University

Oct 2020

Awarded with Best Thesis Award for Masters Thesis titled " Orgcerts - Blockchain Based Professional Certificate Authentication System" in International Award Conference on Research, Analyze, Communicate and Evaluate (RACE- 2020' Bangkok) held at KU Home, Kasetsart University, Bangkok, Thailand

## CERTIFICATIONS

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 **ICSI | CNSS Certified Network Security Specialist** – International Cybersecurity Institute

 **NLP with Python for Machine Learning Essential Training** - LinkedIn

 **Applied Machine Learning: Algorithms** - LinkedIn

 **Ethereum: Building Blockchain Decentralized Apps (DApps)** - LinkedIn


 **Interaction Design: Interface** - LinkedIn

 **Digital Media Foundations** - LinkedIn

 **Applied Interaction Design: Managing Comments** - LinkedIn

 **Learning Threat Modeling for Security Professionals** - LinkedIn

 **Artificial Intelligence Foundations: Machine Learning** - LinkedIn

 **The Data Science of Healthcare, Medicine, and Public Health, with Barton Poulson**  
– LinkedIn

 **Security Testing Essential Training** – LinkedIn

## PROJECTS

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### **Orgcerts – Blockchain Based Professional Certificate Authentication System**

#### **Master's Thesis Project (<https://orgcerts.com>)**

Jan 2020 – Jan 2021

This research was focused on using the blockchain for the verification of the authenticity of issued professional certificates by organization. The issued certificates are registered on the blockchain so that any third party who would need to verify the authenticity of a certificate can do so.

### **Android Application Utilizing Emotion Detection for Treatment of Asperger's Disorder**

#### **Bachelor's Minor Project**

Aug 2015 – Jan 2016

The thrust of this project is to highlight the practical treatment of Asperger's Syndrome through emotion detection application. We have proposed an implementation for its treatment through an android application. Through our proposed application, any child with this disorder can learn about different emotion practically by detecting the emotion of a person, they are not able to comprehend.

## Online Automated UML Generation

Bachelor's Minor Project

Aug 2015 – Jan 2016

The main motto behind this project is to provide a platform for developers to generate different type of UML's with text notation at a single place. We have developed a web view as well as android application which is user friendly and able to generate use case diagram, class diagram, sequence diagram and activity diagram.

Apart from these, headed development of different web projects including ecommerce sites, e-learning platforms, and ERP applications.

## PUBLICATIONS

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### International Journals:

- (Scopus Indexed)Avnish Singh Jat (2020) "**Comparative Analysis of Existing Blockchain Based Certification DApps**", International Journal of Advanced Science and Technology
- (Scopus Indexed)Vishwaja Matikonda, Avnish Singh Jat, Shantanu Gautam (2020) **SEMANTIC WEB TECHNOLOGIES: CHALLENGES AND APPLICATIONS**. JCR, 7 (17)
- Avnish Singh Jat , Rajkumar Pandey, Akshay Singh, "**UTILIZING DECENTRALIZED TECHNOLOGY FOR HRM ADVANCEMENT**", A Journal on Defence Information and Communication Technology, 2019
- Avnish Singh Jat, Dr. Dev Priya Soni, Purtee Kohli"**Agile Software Development: User Story Conversion**", IJCSIT, 2016
- Avnish Singh Jat, Dr. Suma Dawn, Amit Kumar, Abhinav Mishra "**Asperger's Disorder Application for its treatment through Emotion Detection**", IJETMAS, 2016

### International Conferences:

- Avnish Singh Jat,"**Project Management: A Comprehensive Approach**", 4th International Conference on Emerging Trends of Engineering Science Management and its Applications(ICETESMA-16) organized by Academic Science at IIC, New Delhi.
- Avnish Singh Jat, Menlam Choden, Kinley Kun,"**Single Sign Off Issue – A Possible Threat to Our Privacy**", 4th International Conference on Innovative Research in Engineering Science and Management (ICIRESM-16) organized by Gwalior Institute of Information Technology, Gwalior