# AUROVINDHYA SRINIVASAN

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## OVERVIEW

I'm a fervent Software Developer with 2 years and 8 months of experience. My professional background is predominantly in software development, data analytics, and database management. I've worked on award-winning projects in Blockchain, Machine Learning, and Artificial Intelligence. I'm excited to advance my professional career in Data Science while pursuing a master's degree in Digital Transformation and Innovation with an emphasis on Applied Data Science at the University of Ottawa.

## EDUCATION

**University of Ottawa, ON, Canada**                                    *(Sept 2022 - Present)*

Master of Digital Transformation and Innovation Concentration in Applied Data Science

- Co-op graduate student
- Event manager at the Professional Development Club

*Coursework:*

*Data Analytics and Business Intelligence, Fundamentals of Applied Data Science, Ethics for Design, Robotics, and Artificial Intelligence, Research Workshop for DTI*

**Anna University, India** *(Sri Sai Ram Institute of Technology)*                *(July 2016 - April 2020)*

B.E Computer Science and Engineering | **8.89 CGPA**

Classification: **First class with distinction** | **University Rank**: **21** | **College Rank**: **1**

- University Rank Holder
- Yearly recipient of the Leo Muthu Merit Scholarship Awards
- Chairperson of the Department of Computer Science and Engineering
- Recipient of the Best Outgoing Student Award

*Coursework:*

*Programming (C, C++, Java, Python), Database Management, Software Engineering, Artificial Intelligence, Data Analysis, Cryptography, Web Development, Machine Learning, Computer Networks, Data Structures, Design and Analysis of Algorithms, Object-Oriented Analysis and Design, Mobile Computing, Computer Architecture, Cyber Forensics, Grid and Cloud Computing*

## SKILLS

**Programming Languages**: Java, C, C++, Python, R, HTML, CSS, JS, PostgreSQL, MSSQL, XML, XSLT
**Software and Frameworks**: Git, Postman, Firebase, Canva, PowerBI, Tableau, Ethereum, Pandas, Matplotlib, Numpy
**Soft Skills**: Leadership, Teamwork, Time Management, Adaptability, Problem-Solving, Public Speaking
**Extracurricular:** Content Writing, Poster Designing, Carnatic Music, Piano, Bharatanatyam, Painting, Audio & Video Editing

## EXPERIENCE

**Software Developer** *(Zoho Corporation, India)*                    *(July 2020 - July 2022)*

Developed significant product features for Endpoint Central with expertise in Backend development, Web development, Database Management, Data Visualization and Analytics, API Documentation, Technical Support, and Quality Assurance.

**Project Trainee** *(Zoho Corporation, India)*                    *(Dec 2019 - July 2020)*

Real-time training on Java, RestAPIs, Servlets, Web development, and Database Management. Worked on bug fixing, developing product features, and researching potential advancements.

# PROJECTS

**P-Block** *(Public Blockchain)*                                                                                      *(2020)*

Procurement System based on Blockchain (P-Block), my final year project, is a decentralized application used to procure/vend items safely using Ethereum, MetaMask wallet, and Truffle, linked to a real-time database on Firebase. This received the project of the year award.

**MI-Block** *(Private Blockchain)*                                                                                      *(2019)*

A decentralized application to safely store and share patients' medical records, built using Hyperledger fabric. This project was developed and presented at the hackCBS 2.0, Asia's first MLH member hackathon.

**TeachBot** *(Artificial Intelligence)*                                                                                      *(2018)*

An AI-based bot that assists/teaches based on the trained domain. Funded by the Innovation and Entrepreneurship Development Centre (IEDC), **Sponsored by the Department of Science and Technology, Government of India**.

**Agrimeteo** *(Machine Learning)*                                                                                      *(2017)*

An application to predict suitable crops and water intake according to climatic and regional factors using machine learning. Fitted Multiple Linear Regression with Gradient Descent Algorithm to obtain the highest accuracy.

# PUBLICATION

**Predicting Intelligence Quotient, Immunity, Blood Sugar, Defective Vision of a Fetus Using Random Forest Classification**
*(Published in IEEE and Semantic Scholar)*                                                                                      *(2017)*

The 'Random forest classification' algorithm was used to profile a fetus in various stages of its development such as pre-gestation, gestation, and post-gestation in order to analyze various medical metrics of the fetus and its needs at an early stage.

# CERTIFICATION

- Machine Learning Pipelines with Azure ML Studio *(Coursera)*
- CCNA Routing and Switching *(CISCO)*
- Business Administration Specialist *(Salesforce)*
- Programming in C++ *(NPTEL)*

# UNIVERSITY EXPERIENCE

**Event Manager** *(Professional Development Club, University of Ottawa)*

Managed and conducted events at the Professional Development Club, the graduate student club at the University of Ottawa, which helps bridge the gap between students and their career goals.

**Speaker and Tutor** *(Blockchain Technology Webinar, Anna University)*

Conducted an online webinar series on decentralized applications for the inductees.

**Chairperson** *(SINTACS '19, Anna University)*

Organized the department's symposium with expertise in web development and content writing, conducted technical events, and managed the funds.

**Student Ambassador** *(Pan IIT Leadership Series, Anna University)*

Student Ambassador at PALS, an educational initiative benefitting engineering students.

**Teaching Assistant and Corrector** *(Anna University)*

Conducted seminars/webinars, addressed students' queries, and evaluated assignments.

**Master of Ceremonies** *(Anna University)*

Organized workshops on Women Entrepreneurship, Mobile Application Development, RedHat Linux, and Artificial Intelligence being the master of ceremonies.