

AUROVINDHYA SRINIVASAN

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SUMMARY OF QUALIFICATIONS

- A graduate student pursuing a Master's in Digital Transformation and Innovation with an emphasis on Applied Data Science.
- A fervent Software Developer with about 3 years of experience.
- Proficiencies in Machine Learning, Data Analytics, Full stack Development, and Database Management.
- Developed award-winning projects in Machine Learning, Artificial Intelligence, and Blockchain.
- Fluent in reading, speaking, and writing English (*IELTS: 8.0*), Tamil, and Hindi.
- Intermediate-level proficiency in Telugu and Kannada.

SKILLS

Programming Languages: Python, Java, C, C++, R, HTML, CSS, NestJS, RxJS, Angular, TypeORM, TypeScript, PostgreSQL, MSSQL
Software & Frameworks: NX, AWS, Tensorflow, Pandas, Seaborn, Git, Postman, Firebase, Docker, PowerBI, IBM Watson, Dialogflow
Soft Skills: Leadership, Interpersonal Skills, Teamwork, Time Management, Adaptability, Problem-Solving, Public Speaking
Extracurricular: Content Writing, Graphic Designing, Carnatic Music, Piano, Bharatanatyam, Painting, Audio & Video Editing

WORK EXPERIENCE

Full Stack Software Developer Co-op (*VectorSolv, Canada*) (May 2023 - Present)

- Developing full-stack applications with Angular, RxJS, NX, Typescript, NestJS, MySQL, AWS and TypeORM while collaborating with cross-functional teams.
- Designing RESTful APIs with NestJS and TypeORM and conducting testing to ensure application functionality and performance.
- Troubleshooting and debugging issues, implementing responsive design, participating in Agile development processes, and documenting technical specifications.

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

- Developed significant features for RMM & patching solutions – “Desktop Central” (now “Endpoint Central”), “Patch Manager Plus”, “Vulnerability Manager Plus” – both **on-premise** and **cloud**
- Expertise in Backend development, Web development, Database Management, Data Visualization and Analytics, API Documentation, Technical Support, Testing, and Quality Assurance
- Experienced in Customer Support and real-time problem solving

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

Founding Engineer (*Nullarc, India*) (May 2021 - Aug 2022)

- Worked as a full-stack developer for this startup company
- Expertise in Backend development, Web development, Database Management, Content Writing, API Documentation, Testing, and Quality Assurance
- Contributed to an opensource Vue library called “Tukal”

PROJECTS

Agrimeteo (*Machine Learning*) (2017)

- An application to predict crops and water intake according to climatic and regional factors
- Fitted **Multiple Linear Regression with Gradient Descent Algorithm** to obtain the highest accuracy
- Developed and presented at the **JIT Hackathon 1.0**, Chennai, India

TeachBot (*AI*) (2018)

- An AI-based bot that assists/teaches based on the trained domain
- Modeled using IBM Watson and built on Raspberry Pi
- Fully funded by the Innovation and Entrepreneurship Development Centre (IEDC), **Sponsored by the Department of Science and Technology, Government of India**

Ethical design for elderly care bot (*Ethics in AI*) (2022)

- Developed a feature for Stevie, an elderly care robot, that addresses privacy concerns for both elderly individuals and caregivers
- Utilized various ethical design tools to fully understand and address ethical issues related to caregiving technology by developing a prototype

Fashion Recommender Chatbot (*AI*) (2023)

- Developed a recommendation system using data extracted from Myntra.com
- Built the system on Dialogflow and integrated it with python code for webhook-based recommendation using machine learning techniques
- This chatbot can receive user queries and provide fashion recommendations

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

- A decentralized application to safely store and share patients' medical records
- Built using Hyperledger fabric
- Developed and presented at the **hackCBS 2.0, Asia's first MLH member hackathon**

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
- Received the **project of the year award**

EDUCATION

University of Ottawa, Canada

(Sept 2022 - Present)

Master of Digital Transformation and Innovation with Concentration in Applied Data Science | **4.0/4.0 CGPA**

- 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, Distributed Databases and Transaction Processing, Topics in AI, Data Science Applications***Anna University, India (*Sri Sai Ram Institute of Technology*)**

(July 2016 - April 2020)

B.E Computer Science and Engineering | **8.9/10.0 CGPA****Classification:** **First class with distinction** | **University Rank: 21** | **College Rank: 1**

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

Coursework:

Computer Programming, Database Management, Data Structures, Software Engineering, Web Development, Machine Learning, Artificial Intelligence, Data Analysis, Computer Networks, Design and Analysis of Algorithms, Object-Oriented Analysis and Design, Mobile Computing, Cyber Forensics, Cryptography, Grid and Cloud Computing

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

- Data Visualization (*Kaggle*)
- CCNA Routing and Switching (*CISCO*)
- Machine Learning Pipelines with Azure ML Studio (*Coursera*)
- Advanced SQL (*Kaggle*)
- Machine Learning Explainability (*Kaggle*)
- Programming in C++ (*NPTEL*)
- Pandas (*Kaggle*)
- Angular + NestJS (*Sololearn*)
- Business Administration Specialist (*Salesforce*)

UNIVERSITY EXPERIENCE

Event Manager (*Professional Development Club, uOttawa*)Speaker and Tutor (*Blockchain Technology Webinar, Anna University*)Chairperson (*SINTACS '19, Anna University*)Student Ambassador (*Pan IIT Leadership Series, Anna University*)Teaching Assistant (*Anna University*)Master of Ceremonies (*Anna University*)