Aishwarya Cheluvarangan Shyam Sunder

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A motivated master's student studying Computer Science at Strathclyde and software developer eager to learn and use new technologies to build sustainable applications, currently looking for an internship or full-time role in software development.

Experience

Mphasis Limited, Associate Solution Developer, Blockchain Center of Excellence, Bangalore
Jul'21-Dec'22

- Worked on development and implementation of new blockchain technologies.
- Designed and developed smart contracts in Solidity for multiple projects using Hardhat and Truffle.
- Developed full-stack Web3.0 applications integrating blockchain technologies using MERN (Mongo, Express.js, React.js, Node.js) stack.
- Collaborated with colleagues in multiple POC's (proof of concepts) to apply blockchain technology into applications.
- Designed and implemented numerous Node.js RESTful APIs.
- Developed the user interface for multiple projects using React.js.
- Reviewed and made enhancements to existing systems under mentor supervision.
- Trained on full-stack development using MERN, Solidity, Hyperledger Fabric, Ethereum development, Web3.0, Corda.
- Tools used: Javascript, ReactJS, NodeJS, Mongo, Solidity, Ethereum, Blockchain concepts, Corda, Java.

Amazon Development Centre (India) Private Limited, TRMS, Bangalore
Nov'20-Jul'21

- Transaction Risk Investigator in the Product Authentication Team.
- Interpreted and analysed the data using statistical techniques and amazon tools to provide reports on customer accounts. Independent judgement and problem-solving skills were used also to authenticate customers based on analysis of data.

Technofly Solutions, Full-Stack Web Development Intern, Bangalore
Jul-Aug'19

- Contributed to the development of the front and back end of an eCommerce website.
- Tools used: HTML, CSS, JavaScript, SQL, Eclipse, Apache Tomcat.

Education

Masters in Advanced Computer Science – University of Strathclyde
2023-24

Core modules: Distributed Information Systems, Project Management, Research Project, Machine Learning for Data Analytics, Deep Learning Theory and Practice, Big Data Tools and Techniques

Bachelor of Engineering (Information Science) – Visvesvaraya Technological University
2016-20

Core modules: Data Structures and Applications, Object Oriented Programming, Web Development, Python Programming, JAVA Programming, Database Management Systems, Software Testing, Cryptography and Network Security, Internet of Things

Skills

Technologies: JavaScript| React.js| Node.js| TypeScript| Solidity| HTML| CSS| Bootstrap| Mongo| Git| SQL| Python| JAVA| Linux
Soft Skills: Communication| Problem Solving| Teamwork| Critical Thinking| Time Management

Selective Projects

Type 2 Diabetes Support App
July'23

- A web-based support app for people with type 2 diabetes built using the MERN stack as part of my master's thesis to assess its feasibility and user acceptability from a user-centric perspective.
- The webApp included numerous features and appropriate Node.js APIs were designed and developed. The UI was built using React.js.
- Tools used: React.js, React Routers, Node.js, Express.js, Mongodb Atlas, Mongoose, Postman.

Spotify Popularity Predictor
Mar'23

- Built a machine learning model that predicts the popularity of a song. Tools used: Jupyter Notebook, scikit-learn, kaggle.

Invoice CorDapp

Jul'22

- A three node network CorDapp that takes invoice data as input and creates an invoice asset. This asset can be transferred to another party on the network. Tools used: Corda, Gradle, Java

NFT Marketplace

Mar'22-May'22

- Full stack decentralised app that lets users log in through cryptocurrency wallet and mint, list and buy NFTs. Tools used: Solidity, ReactJS, Hardhat, Ethers.js, IPFS, React Routers, Metamask

NFT Minter

Feb'22-Mar'22

- Full stack Dapp where users log in through Metamask and mint NFTs on the Rinkeby testnet, which is then viewable on OpenSea and other NFT platforms Tools: Solidity, ReactJS, Moralis, OpenSea API

Soil, Water and Air Quality Monitoring System

Sep'19-Mar'20

- Contributed to the development of an IoT based system that monitors the quality of soil, water and air, with an automated watering pump and Telegram to send alerts. Tools used: Raspberry Pi board, different sensors, Telegram, ThingSpeak cloud and Python as the programming language.

Art Gallery Website

Sep'19-Nov'19

- Designed and developed a website that showcases a virtual art gallery, where users can login and purchase art and the artists can upload their art. Tools used: HTML, CSS and JavaScript.

Predicting Flight Delays using Microsoft Azure Learning Studio

Oct'20

- Trained a model to predict flight delays using airway and weather datasets.

Publications and Certifications

Research Paper Publication – 'An IoT Based System to Monitor Soil, Water and Air Quality for Better Living', International Conference on Recent Trends, ICRCSIT0383.

Jun'20

St. Martin's Engineering College certification of appreciation in ICRCSIT conference

Jun'20

Free Code Camp certification of Responsive Web Design

July'20

Mphasis Talent Next certification of JavaScript-S1

Sep'22

Volunteer Work

- Volunteered as a mathematics instructor for 9th-grade students at U&I NGO.
- Ideated and managed two events for a departmental technical fest during Bachelors.

Interests

Creative Writing, Photography, Travel, Volunteering

References

References available upon request.