Aashish C. Pawar

(+91) 9767-555-706 | ashishpawar517.icloud@gmail.com | LinkedIn | Github | Portfolio

Education

Stevens Institute of Technology, Hoboken, United States — September 2022 - Present
Master of Science, Computer Science — ***Incoming Student***

Veermata Jijabai Technological Institute, Mumbai, India — August 2018 - June 2021
Bachelor of Technology, Information Technology — *CGPA: **8.58***

Government Polytechnic Mumbai, Mumbai, India — August 2015 - June 2018
Diploma in Information Technology — *Department Topper | Percentage: **95.22%***

Skills

Programming Languages: Java, Python, JavaScript, C++,C# HTML/CSS.
Tools/Databases: Git/GitHub, Docker, Jira, Github Actions, MySQL, PostgreSQL, Redis, MongoDB.
Frameworks: Spring Boot, Hibernate, FastAPI, Flask, Nodejs, React ,Scikit-learn, Keras, Pandas, NumPy, Boostrap.
Computer Science Disciplines: Algorithms, Data Structures, Database Management Systems, Machine learning.

Work Experience

Software Development Engineer - 1 — June 2021 – Present
Flexmoney — *Mumbai, India*

- Served as developer and actively involved in improving current back-end systems. contributed to 6+ repositories.
- Engineered 50+ features using pioneering Java technologies incorporating micro-service architecture.
- Troubleshooted 100+ code-related issues and bugs in java code for backend codebase.
- Implemented 25+ Integration tests using **JUnit** and Unit tests using **Mockito**.

Projects

BlockAudit 2.0 | *Blockchain, Python, NodeJS, Audit Logs* — April 2021

- Devised solutions to optimize audit log workflow by 50% on the blockchain by comparing existing solutions.
- Developed Proof of Authority system to store audit logs 3x faster on blockchain compared to traditional Blockchain.
- Coded custom blockchain for efficient audit log storage. Designed blockchain dashboard for interaction. **Transaction Throughput**: 1000+ TPS.

Remaining Useful Life Prediction for Lithium-Ion Battery | *Machine Learning, Python, Data Viz* — April 2020

- Extrapolated 6 regression algorithms (Linear,SVM,NeuralNet, XGBOOST) for Prediction of Remaining Useful Life.
- Carried out cogent analysis using data visualization, data set cleaning & normalization. **Highest Accuracy: : 99%**

CCTV Surveillance using Face Recognition (Diploma Final Year Project) | *Face Recognition, C#* — March 2018

- Built surveillance system which identifies the known and unknown individuals with less than 5% error rate.
- Architected real time features which has < 2 min responsiveness like notifications alerts(SMS, Emails, TTS).

Publications

BlockAudit 2.0 : PoA blockchain based solution for secure audit logs (IEEE) — December 2021

- Published paper that proposed solution for secure storage of **Audits logs** by using the properties of **Blockchain**.
- Presented at the International Conference on Information Systems and Computer Networks (ISCON 2021).

Certifications

Deep Learning with PyTorch: Zero to GANs (From Jovian.AI) — January 2021
How to Win a Data Science Competition: Learn from Top Kagglers (with Honors) (From Coursera) — October 2020
ICSI — CNSS Certified Network Security Specialist (From ICSI, UK (International CyberSecurity Institute)) — July 2020
Applied Machine Learning in Python (From Coursera) — June 2020
AWS Fundamentals: Building Serverless Applications (From Coursera) — June 2020
Introduction to Cybersecurity Tools & Cyber Attacks (From Coursera) — May 2020
AWS Fundamentals: Going Cloud-Native (From Coursera) — May 2020
Architecting with Google Kubernetes Engine: Foundations (From Coursera) — April 2020
Algorithmic Toolbox (From Coursera) — April 2020