Lovejit Bhardwaj

Software Engineer& Full Stack Developer

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| ○ GitHub
Gurgaon, Haryana, India

Professional Summary

Software Engineer with expertise in full-stack development and AI/ML technologies at Schneider Electric. Specialized in building scalable applications with microservices architecture, cloud-native solutions, and cybersecurity analysis. Passionate about creating AI-driven applications that solve real-world problems while maintaining high performance and security standards.

Professional Experience

Software Development Engineer   March 2023 – Present
Schneider Electric   *Bangalore, India*

- Contributed for Topology Service .NET based Micro service to achieve physical and logical view of embedded devices to make search 99% more efficient and create and update assets
- Led CI/CD pipeline migration from Bicep to GitHub Actions/Terraform, reducing deployment time by 40% while maintaining 90% code coverage standards including Report Service, EPC Web, and Topology Service, adhering to SOCOGO guidelines.
- Implemented monitoring solutions using Dynatrace and JFrog, conducted Python AI/ML POCs, and managed Azure Container Apps optimization
- Cybersecurity analyses using Synopsis BDBA, BDH, Coverity, and Prisma scans. - Migrated Azure subscriptions to East US and France for multi-region high availability.
- Working on project of Eco Sustain web app using Angular 16 and integrated RESTful APIs and micro-Services, while also implementing robust back-end logic with Node.js & java. Applied Agile DevOps practices for seamless collaboration, CI/CD automation, and deployment on cloud platforms.

Machine Learning Intern   Jul 2022 – Aug 2022
DawnBit   *Gurgaon, India*

- Developed AI-based Student Management System with automated grading and notification features, reducing manual processing time by 60%
- Implemented unsupervised clustering algorithms for predictive modeling and applied ETL processes, improving model accuracy by 15%

Data Science Intern   Jun 2022
Make-Me-Builder   *Gurgaon, India*

- Created optimized Python algorithms for data extraction achieving 40% efficiency improvement, performed comprehensive EDA and deployed ML models via Zoho Campaign integration

Key Projects

AI-Based Smart Traffic Control System | *Python, TensorFlow, YOLOv8, Django, Angular* Live Demo

- Engineered computer vision system using YOLOv8 for real-time vehicle detection with 95% accuracy, reducing traffic wait time by 35%
- Built full-stack application with Angular frontend, Django backend, and integrated edge computing for IoT traffic management

Medical AI Diagnostic Platform | *TensorFlow, React.js, Node.js, MySQL* GitHub

- Developed ML models for breast cancer & diabetes prediction achieving 96% accuracy using CNN, DenseNet, ResNet50, VGG16 architectures
- Built responsive React.js frontend with secure authentication and RESTful APIs for real-time prediction results

Real-Time Chat Application | *React.js, Firebase, Chat Engine* Live App

- Built scalable messaging platform with Google/Facebook OAuth, React Context API, and Firebase deployment with automated CI/CD

Certifications & Achievements

Xtra - Miler Award ExcellenSE Awards Schneider Digital India
Cloud Certifications: Google Cloud Platform (GCP) Certified, AWS Cloud Computing Fundamentals, Google Cloud Qwiklabs (30+ challenges)
Data Science: IBM Data Analysis for Machine Learning, IBM Data Analysis with Python, Google Data Analytics Specialization
Recognition: Army Welfare Education Society Merit Certificate, 200+ algorithmic problems solved (LeetCode, GeeksforGeeks)
Professional: <u>All certificates available on LinkedIn</u>

Education

Bachelor of Technology in Computer Science (Data Science)   **Aug 2019 -Jun 2023**
The Northcap University   *Gurgaon, Haryana (CGPA: 8.31/10)*
Diploma in Computer Applications   **2019**
TECH Institute   *Bangalore, India (Grade: A+)*

Technical Skills

Programming Languages: Python, JavaScript/TypeScript, Java, C#, Go, SQL, HTML5/CSS3

AI/ML Frameworks: TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib

Frontend Technologies: Angular 16+, React.js, jQuery, Responsive Web Design, Bootstrap

Backend Technologies: Node.js, ASP.NET Core, Express.js, Django, Flask, RESTful APIs, Microservices

Cloud & DevOps: Azure, AWS, Docker, Kubernetes, GitHub Actions, Terraform, CI/CD Pipelines

Cybersecurity Tools: Prisma Cloud, Coverity, Black Duck, sonar qube

Databases & Tools: MySQL, MongoDB, Git, Postman, Dynatrace, JFrog, Tableau

Additional Information

Languages: English (Fluent), Hindi (Native)   **Interests:** Open Source Contributions, Cricket, Technology Blogging, Music