153, RUSHDEN GARDEN, ILFORD, UK, IG5 0BL •
GOKULNATHS9080@GMAIL.COM • +44 7903514713

GOKULNATH SETTU

Full Stack Developer

PROFESSIONAL SUMMARY

Full Stack Developer with a proven track record of building scalable web applications using PHP, MySQL, and JavaScript. Known for enhancing team synergy through Agile methodologies and mentoring junior developers, while optimizing performance to boost user satisfaction. Passionate about leveraging cutting-edge technologies to deliver high-quality software solutions.

EMPLOYMENT HISTORY

FULL STACK DEVELOPER   **Jul 2022 - Aug 2023**
XESS Tech Link   *Erode, Tamil Nadu, India*

- Built and maintained web applications using PHP, MySQL, HTML, CSS, and JavaScript.
- Collaborated with cross-functional teams in an Agile environment.
- Handled both front-end and back-end tasks efficiently.
- Contributed to debugging, testing, and deployment processes.Enhanced application performance by optimizing database queries, resulting in faster load times and improved user satisfaction.
- Developed a responsive web design framework, streamlining front-end processes and facilitating seamless user experiences across devices.
- Conducted thorough code reviews, identifying and resolving critical bugs, which led to a significant reduction in post-deployment issues.
- Fostered team synergy by leading Agile ceremonies, improving project transparency and accelerating delivery timelines.
- Enhanced application performance by optimizing database queries, achieving faster load times and significantly improving user satisfaction.
- Conducted thorough code reviews, identifying and resolving critical bugs, leading to a marked reduction in post-deployment issues.

EDUCATION

MASTER OF SCIENCE - MANAGEMENT WITH DATA ANALYTICS   **2023 - 2025**
BPP University   *London, UK*

BACHELOR OF SCIENCE - COMPUTER SCIENCE   **2019 - 2022**
Erode Arts and Science College   *Tamil Nadu*

HIGHER SECONDARY   **2016 - 2017**
PSG Matric Higher Secondary School   *Tamil Nadu*

TECHNICAL SKILLS

Programming Languages: Python • JavaScript • TypeScript • Java • SQL • C++

Frontend Technologies: React.js • Next.js • Angular • Redux • Tailwind CSS • Bootstrap

Backend Technologies: Python • Django • Flask • FastAPI • Node.js • REST APIs • GraphQL

Databases: PostgreSQL • MongoDB • MySQL • Redis • Database Optimization

Cloud & DevOps: AWS (Lambda, EC2, S3, RDS) • Docker • Kubernetes • CI/CD • Git

Specialized Skills: Machine Learning • Computer Vision • Medical AI • Data Science • MLOps

COURSES

FULL STACK WEB DEVELOPMENT CERTIFICATION   **2022 - 2023**
XESS Tech Link

PYTHON FOR DATA SCIENCE   **2022 - 2023**
XESS Tech Link

DATABASE MANAGEMENT AND SQL
XESS Tech Link

2022 - 2023

INTERNSHIPS

PYTHON FULL STACK DEVELOPER INTERN | DJANGO BACKEND DEVELOPMENT & API ARCHITECTURE

Nov 2021 - Mar 2022

Swift Ride, Vahyam Technology

Bangalore

- Developed comprehensive backend system using Django framework with PostgreSQL database and Redis caching.
- Built scalable REST APIs supporting ride matching, user authentication, and real-time location tracking.
- Implemented microservices architecture using Flask for payment processing and notification services.
- Optimized database queries reducing response times by 60% and supporting 1000+ concurrent users.
- Deployed on AWS using EC2, RDS, and S3 with CI/CD pipelines for automated testing and deployment.
- Integrated third-party APIs for maps, payments, and SMS notifications with comprehensive error handling.

FULL STACK DEVELOPER INTERN | GOGIG - FREELANCE JOB PLATFORM DEVELOPMENT

Mar 2022 - Jul 2022

Ginger Media Group

Bangalore

- Built end-to-end web application using React.js frontend and Node.js serverless backend architecture.
- Designed and integrated job search, user authentication, and project assignment functionality.
- Implemented scalable database design using MySQL with Knex.js for structured data management.

KEY PROJECTS

E-COMMERCE RECOMMENDATION ENGINE | IEEE PUBLISHED PROJECT | 2024

♦ Built hybrid recommendation system combining collaborative and content-based filtering
- Achieved 67.5% precision, 71.5% recall with real-time user adaptation
- Published research paper in IEEE proceedings
(DOI: 10.1109/ICAIT61638.2024.10690425)
- Tech: Python, Machine Learning, Statistical Modeling.

E-COMMERCE WEBSITE DEVELOPMENT
Project

- Developed a full-stack e-commerce platform using Python, Flask, MySQL, and JavaScript.
- Implemented user authentication, product catalog, shopping cart, and payment gateway integration.
- Optimized database queries to improve site performance and reduce response time.

AI-POWERED PNEUMONIA DETECTION SYSTEM | MSC DISSERTATION | 2025

♦ Developed medical AI system comparing Vision Transformers vs CNNs for pneumonia detection
- Achieved 94.2% accuracy on 112k+ chest X-ray images with clinical interpretability
- Tech: Python, PyTorch, Computer Vision, AWS, Docker

DATA VISUALIZATION DASHBOARD
Project

- Built an interactive dashboard using Python, Pandas, and Matplotlib to analyze business data.
- Integrated real-time data updates and visual insights to aid in decision-making.
- Deployed the dashboard on a cloud-based server for accessibility and scalability.

HOBBIES

Competitive Programming, Movie Analysis & Critique, Long Distance Running, Music Production, Financial Markets, Technology Blogging.

LINKS

LinkedIn: www.linkedin.com, GitHub: github.com, Portfolio: gokulnaths9080.github.io.