Vinayak AV

Python Developer

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SUMMARY

With over 2 years of experience in Python development, I specialize in designing and implementing robust, scalable applications. Known for my ability to integrate diverse tools and frameworks, I consistently deliver efficient solutions. My career highlights include leading successful project implementations, optimizing data-driven strategies, and contributing as a team-oriented professional who fosters strong relationships to drive project success.

EXPERIENCE

Python Developer

UL Technology Solutions   10/2022 - Present   Calicut, India

- Led a backend team in developing a large-scale data analysis platform, improving data interpretation capabilities for client
- Collaborated with the UI/UX team to create a more intuitive user interface, resulting in a 15% increase in customer satisfaction.
- Conducted extensive code reviews and optimizations, ensuring robust and scalable software solutions.
- Spearheaded the integration of GIS-based technologies, facilitating more flexible and secure data management for clients.

Full-Stack developer

Freelancer   06/2022 - 09/2022   Calicut, India

- Developed a mess management application tailored for university settings, streamlining food service operations and enhancing user experience.
- Designed and implemented features for meal tracking, billing, and inventory management.
- Integrated a user-friendly interface for both students and administrative staff.
- Delivered a scalable and efficient solution, ensuring smooth deployment and user adoption.

EDUCATION

Master of Science in Computer Applications

Amrita Vishwa Vidyapeetham
2024 - Pursuing   Coimbatore, India

Bachelor of Science in Statistics

University of Kerala
2018 - 2021   Kerala, India

COURSEWORK

Coursework

Python scripting for security | Network security | Fundamentals of cybersecurity | Foundation of Computer systems | Essentials of Cybersecurity |

CERTIFICATION

Python-Web Development

by National Council for Technology and Training

Oracle certified AI associate

by Oracle University

Oracle certified foundations associate

by Oracle University

Python developer

by Hacker rank

PROJECTS

Drishti - Intelligent Property Management System

2022 - Present   Calicut
Role: Backend Developer

- Orchestrated Drishti by utilizing cutting-edge GIS technologies for precise asset and property mapping, improving operational efficiency by 40% and accelerating decision-making.
- Handled large datasets and provided GIS-based information integration for improved user interface
- Pioneered the adoption of Python 3.11 features within the team, leading to a 20% improvement in code maintainability and future-proofing the application suite.

Neyveli Lignite Corporation Limited (Pan-India Project for Coal Mines)

2023 - Present   Calicut, India
Role: Backend Team Lead (Team of 3)

- Led the backend development of a pan-India project automating coal mine operations.
- Developed and implemented multi-user IP blocking, Redis for caching, and spatial layer data transactions to enhance system performance.
- Pioneered a virtual file system for seamless uploading of large files and directories.
- Created data update APIs integrating Excel and shapefile formats, and automated PDF conversion with summary calculations.

SKILLS

Python | Django | RESTful APIs | MySQL | Postgresql | Redis | Cloud Technologies | Linux | Git | Pandas | Docker | Geoserver | Aws | Open layers | Kafka | Javascript | HTML | CSS | Postgis | Celery | ORM

LANGUAGES

Malayalam — Native ●●●●●
English — Proficient ●●●●○