RAJESH B

✉ rajesh.mbalu@gmail.com   ☎ 7356395181   🌐 Portfolio   in Rajesh-mbalu   ⌗ rb4807

PERSONAL PROFILE

Proficient Software Engineer with a strong foundation in development, programming and problem-solving. Successfully completed a six-month internship in Python Full Stack Development, where I honed my skills in building robust, user-friendly applications. With one year of professional experience, I specialize in delivering innovative software solutions. Passionate about continuous learning and staying updated with the latest technological advancements.

PERSONAL DETAILS

Native :- Palakkad, Kerala
Date of Birth :- 16-06-2001

EXPERIENCE

DEIENAMI - TRIVANDRUM

Software Engineer | 2024 - Present (1 Year)
Full Stack Development

LUMINAR TECHNOLAB - KOCHI

Internship | 2023 -2024 (6 Months)
Python Full Stack Development (Django, Angular.JS)

STRENGTH

- Analytical Skill
- Teamwork Skill
- Leadership
- Adaptability
- Self Management

LANGUAGE

- English
- Malayalam
- Tamil
- Hindi

SKILLS

Language :- Python, JavaScript, Golang
Web Technologies :- HTML5, CSS3, jQuery
CSS Framework :- TailwindCSS, Bootstrap
Framework :- Django, Gin, React.JS
API Integration :- REST API, Axios, Swagger
DevOps :- GitHub, Vercel, Docker, AWS, Apache, Nginx
CMS Platforms :- Shopify, WordPress
AI & ML :- Pandas, Pytorch, Numpy, Ollama, Stable diffusion, Hugging face, xformers, TensorFlow.
Database :- MySQL, PostgreSQL, DynamoDB, SQLite
Project Management :- Jira, Microsoft Office
Operating Systems :- Linux, Windows

CERTIFICATIONS AND ACHIEVEMENTS

- Successfully completed HackerRank, Python assessment.
- Power Programmer Virtual Experience Program from Infosys.
- Python Backend And Django Framework Complete Course.
- CSS, Bootstrap, JavaScript, Web Development Course.
- React.JS: Front-end The Complete Course for Beginners.
- Agile Development Methodology from UDEMY.
- Data Science Tools from IBM.

EDUCATION

BACHELOR'S OF ENGINEERING

Electronics and Communication | 2019 - 2023
Nehru Institute of Engineering and Technology
ANNA University :- 7.9 CGPA

SENIOR SECONDARY EDUCATION

Biology Science | 2017 - 2019
Karnakiyamman Higher Secondary School
Kerala State Board :- 6.6 CGPA

SECONDARY EDUCATION

2016 - 2017
St. Raphael's Cathedral School
CBSE :- 7.2 CGPA

PROJECTS

NOTESPAEDIA : MEDICAL AND ACADEMIC LEARNING WITH ADVANCED NOTE-TAKING SOLUTIONS

Responsibility :- Backend development & Full Stack Development

Developed a real-time mobile app project aimed at facilitating book purchases for medical professionals, primarily focused on medical textbooks with large file sizes. Spearheaded the backend development for the app and full-stack development of the web and admin panels.

- Tech Stack : Django, REST API, MySQL, JavaScript, jQuery, Ajax, Bootstrap, Shopify API, AWS S3 Bucket, Razorpay, Ghostscript, Imagemagick, Tkinter, Apache, GitHub.

MOVIETECH APP

Responsibility :- Backend development

Led the backend development of the MovieTech app, which generates image stripes of movies based on script input, utilizing advanced artificial intelligence (AI) and machine learning (ML) technologies like Ollama and Stable Diffusion to process scripts and generate visually cohesive, contextually relevant image stripes. Designed and implemented the backend architecture to efficiently handle the script-to-image generation process, ensuring quick and accurate outputs. Integrated AI models to enhance the quality of generated visuals while optimizing performance for scalability and reliability. Collaborated with the frontend team to ensure seamless integration of the backend, delivering a smooth and interactive user experience.

- Tech Stack : Python, REST API, Ollama, Pytourch, Stable diffusion, xformers, Hugging Face, TensorFlow.

DELTAFOUR: ELEVATING SAFETY AND PERFORMANCE WITH INDIA'S PREMIER DIGITAL LOTO SYSTEM

Responsibility :- Backend development & Full Stack Development

Developed and scaled Deltafour with a focus on user-centric features and robust system architecture. Highlights include designing a dynamic role-based onboarding system, enabling custom feature creation for diverse operational needs, and implementing a permit management system for streamlined compliance. Optimized the backend for scalability, transitioned the platform into a SaaS model, and ensured smooth collaboration with cross-functional teams to deliver high-quality features efficiently.

- Tech Stack : Django, REST API, PostgreSQL, DynamoDB, JavaScript, jQuery, Ajax, Bootstrap, AWS S3 Bucket, AWS EC2, Apache, GitHub.

BEONDAUDIT: TRANSFORMING AUDITING AND COMPLIANCE WITH CUTTING-EDGE TECHNOLOGIES

Responsibility :- Backend development & Full Stack Development

Developed and implemented BeondAudit, a groundbreaking project revolutionizing auditing and compliance management. Designed a scalable, high-performance backend system using Python, Django, Node.js, and Go, ensuring seamless service delivery on Ubuntu Linux. Implemented advanced security measures with iptables and optimized performance using Redis and Memcached. Created a scalable SaaS-based database schema with advanced indexing for efficient data management. Contributed to transforming auditing practices by enhancing efficiency, accuracy, and regulatory compliance through innovative backend solutions.

- Tech Stack : Django, Golang, REST API, PostgreSQL, JavaScript, jQuery, Ajax, Bootstrap, Tkinter, Razorpay, Apache, GitHub.

BEONDWORK

Responsibility :- Backend development & Full Stack Development

Developed BeondWork, a web application to streamline task assignments for BeondAudit employees. Designed a scalable backend using Python and Django, ensuring secure and efficient task management. Optimized database performance for real-time updates and implemented robust security protocols. Enhanced productivity and collaboration through a reliable, user-friendly platform.

- Tech Stack : Django, MySQL, JavaScript, jQuery, Ajax, Bootstrap, Apache, GitHub.

DECLARATION

I, RAJESH B, hereby declare that the above mentioned information are true to best of my knowledge and I bear the responsibility of the correctness of the above-mentioned particulars.

RAJESH B