

Ballal Karavade

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Profile

Results-driven Python Backend Developer with hands-on 2+ years experience in designing, developing, and deploying web applications using Django and Flask frameworks. Strong foundation in object-oriented programming, RESTful API development, and relational database management with SQL.

Technical Skills

- **Languages & Frameworks:** Python, Django, Flask, JavaScript, jQuery, AJAX, ORM, MVT, C#, ASP.NET, MVC.
- **Database:** MySQL, Oracle SQL.
- **Tools:** Visual Studio 12/17, Visual Studio Code, Git, Workbench, Oracle SQL Developer, Postman.
- **Cloud & Deployments:** AWS, GitHub Actions.
- **Other Technologies:** JSON, XML, RESTful APIs, WordPress, Wix

Experience

Software Engineer

Armament Research & Development Establishment, DRDO

Pune, India

July 2023 – Present

- **Engineered and developed** core features using **JavaScript, jQuery, and AJAX** for defence project management software, including **Gantt, PERT, and PBS charts**, enhancing project visualization and tracking.
- Developed a centralized confidential document repository and reprography system, improving data accessibility and security across departments in **ASP.NET Webforms**.
- Worked with **MySQL and Oracle SQL databases** to design schemas, optimize queries, and manage critical data for large-scale applications.
- Contributed to the **development** of backend features using **Python and Django**, integrating RESTful APIs to streamline workflows. Utilized **GitHub Actions** for automating CI/CD pipelines.

Freelance Web Developer

Freelancer

Pune, India

May 2021 – March 2023

- Successfully delivered multiple freelance projects, including **Itinerary Maker, Tour Information System, and ISP websites**, tailored to diverse client needs.
- Managed end-to-end development across several **projects simultaneously**, ensuring **deadlines** and quality standards were consistently met.
- Collaborated directly with clients to **gather requirements**, propose solutions, and provide regular updates through demos and feedback cycles.
- Built responsive and **user-friendly interfaces**, applying modern web design principles for seamless user experience across devices.

Intern

Kalpa Technologies Pvt. Ltd.

Pune, India

Jul 2020 – Oct 2020

- Gained hands-on exposure to Java-based **backend development**.
- Assisted in the **design, development, and debugging** of software modules under the guidance of senior developer.
- Built a foundation in **MySQL database operations** and Java application **deployment** on **Apache Tomcat**.

Education

Sir Parashurambhau College, Pune
MSc in Computer Science

Jun 2020 – Apr 2022

Projects

Pinfynder.ml

2022

- Built a web-based **Indian PIN code repository** with reusable RESTful APIs for integration into other systems.
- Designed a lightweight and intuitive user interface to enable quick and easy postal code lookups.
- Utilized **Flask and Pandas** for backend logic and data processing.

Travely.com

2023

- Developed a full-featured **tour booking web application** for travel agent, including customer and admin interfaces.
- Implemented **end-to-end itinerary management**, dynamic booking forms, and real-time data updates using **AJAX** and **JSON**.
- Integrated **AWS for deployment**, ensuring scalability and availability.
- Designed responsive UI using **Bootstrap** and handled backend logic and database integration with **Django and MySQL**.

Achievements

- Designed and implemented Gantt, PERT, and PBS charts for the DRDO Project Management System.
- Delivered multiple end-to-end freelance web projects with high client satisfaction.
- Certified in AWS Solutions Architect Associate and AWS Essentials.