

Pravalika Nanna

FULL STACK DEVELOPER



PERSONAL PROFILE

Experienced IT professional with a strong background in the design, development, testing, and implementation of diverse stand-alone and client-server architecture-based enterprise applications. Adept at creating web applications, employing the Model-View-Controller (MVC) architecture, and utilizing the Django web application framework.

Demonstrated expertise extends to encompassing WordPress development and proficiently managing the entire life cycle of websites. Accomplished in crafting and hosting websites independently, showcasing a comprehensive skill set in both application development and web hosting.

PROGRAMMING SKILLS

Languages:

- Advance: Python,
- Intermediate: Java, PHP, C
- Beginner: NodeJS, C++

Frameworks:

- Django
- Flask
- WordPress - CSS Bootstrap

Databases:

- MySQL
- No SQL
- AWS: EC2, S3, RDS

Technologies:

- HTML
- CSS
- JavaScript -React JS

Version Control & Development Tools:

- Git
- GitHub
- PyCharm- VS Code
- Turbo C
- Post Man API

Operating Systems:

- Windows
- MAC OSX

Web Development:

- Hands-on SQL experience
- Python proficiency- Web API experience

Web Hosting:

- WordPress development and management

Machine Learning & Data Science:

- Deep Learning
- Machine Learning
- Data Science

Work Experience

FULL STACK DEVELOPER:

WEBLAUNCH | June 2022 – Present

BACK-END PYTHON DJANGO | FLASK

- Implemented Django ORM for efficient database interactions, ensuring data integrity.
- Developed secure authentication and authorization mechanisms in Django for user management.
- Optimized Django applications for enhanced performance, including database queries and code efficiency.
- Designed and maintained scalable web applications using Django, documenting project details for future reference

FRONT-END HTML CSS BOOTSTRAP | JAVASCRIPT

- Applied advanced web technologies such as JavaScript, Python, Bootstrap, HTML, and CSS in project development.
- Wrote application-level code to seamlessly interact with APIs, ensuring effective data exchange.
- Utilized Bootstrap framework and media queries to create customizable and responsive web designs.
- Ensured compatibility across various platforms and screen sizes, enhancing the overall user experience

PYTHON TUTOR:

RAGHU ENGINEERING COLLEGE | FEB 2023 - March 2023

- One-month **Python tutor** for five engineering branches.
- Topics covered: basics, modes, features, applications, IDLE, Git, VScode. - **Hands-on sessions** on collections, basic-level programs, and control statements. - In-depth exploration of OOP: classes, objects, inheritance, polymorphism. - Comprehensive overview of operators, data types, and Python installation. - Emphasis on abstraction, encapsulation, and practical exception handling. - Practical understanding of loops and conditional statements.
- Real-world examples for enhanced practical application skills.

PYTHON DEVELOPER:

CODEBOOK | Jan 2022 – June 2022

BACK-END PYTHON | **DJANGO**

-Led the creation of backend views and templates, utilizing Python and Django's view controller architecture to establish a robust foundation for web applications. -Engaged comprehensively across the **entire website lifecycle**, actively contributing to design, development, deployment, testing, and implementation stages, ensuring a seamless and well-rounded project experience.

TECHNICAL TRAINER:

QIS College Of Engineering & Technology | Nov 2023 – Jan 2023

- Guest lecturer in an engineering college, specializing in Data Structures and C programming.
- Delivered comprehensive sessions on DSA algorithms, data structures, and their applications.
- Covered fundamental concepts and practical implementation in C programming.
- Emphasized problem-solving strategies and efficient coding practices.
- Engaged students through interactive sessions and hands-on coding exercises.
- Contributed to building a strong foundation in **DSA and C programming** for students.

FRONT-END HTML CSS | **BOOTSTRAP**

-Translated UI/UX design wireframes into tangible elements through code, resulting in a visually stunning and user-friendly website interface.

-Demonstrated expertise in frontend technologies including HTML, CSS, Bootstrap, and JavaScript, producing high-quality and reusable markup to enhance the aesthetic appeal and overall user experience of web applications.

Projects

Internshala, Farm Easy, Restro B (Personal Projects):

- **Developed using Django framework (Python) for backend.**
- Utilized HTML, CSS, and JavaScript for frontend development. Currently Not hosted.

WebLaunch - Company Website (Ongoing):

- Ongoing **hosting and maintenance** of the company website.
- Developed using a combination of technologies including Django, HTML, CSS, and JavaScript.

Military Edge Devices Integration (Freelance **Machine Learning Project**)

- Collaborated in a team for a freelancing project.
- Implemented a machine learning solution to integrate data from edge devices in the military into **cloud computing**. The project is available on GitHub.

School Bee - School Management System (Freelance Project)

- Worked in a team for the development of a school management system. Implemented the project using Django, incorporating various APIs.

Education

Bachelors of Technology in Computer Science (2022-2025)

DRK College of Engineering and Technology

Full stack development Course (2021-2022)

Nxt Wave

Diploma in Electronics and Communication Engineering (2017 - 2021)

Government Institute of Electronics – 67 %

SSC (2017)

Shantiniketan Model High School - 8.0 GPA

Get in Contact

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Other Skills

- The ability to analyse complex technical information
- Can analyse, design, and implement database structures
- Detail oriented
- Excellent problem solver