

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:** Advanced: Python | Intermediate: Java, PHP, C | Beginner: NodeJS, C++
 - **Frameworks:** Django, Flask, WordPress, CSS Bootstrap
 - **Databases:** MySQL, NoSQL
 - **AWS:** EC2, S3, RDS
 - **Technologies:** HTML, CSS, JavaScript, React JS
 - **Version Control & Development Tools:** Git, GitHub, PyCharm, VS Code, Turbo C, Postman 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
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FREELANCING 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.

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

INTERNSHIP:

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.
 - **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 application
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PROJECTS:

Meta source - Raw Material Supply Company (Freelance Project)

- Developed a product and management system for a raw material supply company.
- Designed and implemented the product using Django for backend and React.js for frontend.
- Ensured efficient management of raw materials through a scalable and user-friendly interface.
- Documented the project thoroughly for future reference and maintenance.

Personal Portfolio (Personal Project):

- Developed a personal portfolio using React.js and Node.js.
- Showcased skills, projects, and experience in a visually appealing and responsive web design.

E-commerce Projects (Freelance Projects):

- Developed for a single company using React and Next.js.
- Created an e-commerce platform where customers can request projects by filling out a form.
- Integrated emailJS API for sending requests to the company via email.
- Ensured a seamless user experience and efficient request management.

Handloom Project (Freelance Project):

- Worked on a handloom project using PHP.
- Made minimal changes to improve functionality and user experience.

Harith Organic (Freelance Project):

- Integrated a payment gateway into an organic product e-commerce site.
- Developed using PHP to ensure secure and smooth transactions.

WebLaunch - Company Website:

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

Military Edge Devices Integration (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

- 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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- **Location:** Hyderabad

OTHER SKILLS

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