

PAVAN KUMAR GADHAM

College Graduate | Software Engineer

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CAREER OBJECTIVE

Aspiring Software Engineer seeking an entry-level position to leverage a solid foundation in Python programming, data analysis, and software development. Eager to contribute to innovative projects and collaborate with experienced teams.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

August 2019 – July 2023

Sreyas Institute of Engineering and Technology, Hyderabad

Board of Intermediate Education

June 2017 – April 2019

Abhyaas Junior College, Hyderabad

TECHNICAL SKILLS

- **Programming Languages:** Python(mid-level), Object-Oriented Programming, SQL
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** MySQL, PostgreSQL
- **Data Visualization Tools:** Excel, Power BI
- **Libraries:** NumPy, Pandas, Matplotlib
- **Frameworks:** Django, Angular(basic-level)
- **Machine Learning(basic-level):** Supervised Learning, Unsupervised Learning

PROJECTS

Heart Disease Identification using Machine Learning – February 2023 – June 2023

- Developed a heart disease diagnosis system, reducing diagnosis time and increasing accuracy through machine learning techniques including Support Vector Machine, Regression, and Decision Tree.
- Implemented feature selection methods such as Relief and LASSO, decreasing irrelevant feature count by 30% and improving model performance.
- Optimized model training and evaluation processes, enhancing accuracy and cutting training time through advanced feature engineering and algorithm adjustments.
- Generated comprehensive documentation and presentations, leading to a 40% improvement in system clarity and user comprehension.

Hardware Hub using Web Development – September 2022 – January 2023

- Enhanced PC customization platform, increased user engagement through UI improvements and interactive features.
- Managed user authentications, product listings, and payment processing with Node JS, reducing processing time.
- Conducted cost-efficiency analysis on custom PC builds, achieving 15% savings compared to prebuilt systems through optimized code and detailed user presentations.
- Documented technical specifications and led a 4-person team to launch an e-commerce site in 4 months, resulting increase in conversion rates.

Online Food Ordering System - March 2023 - July 2023

- Designed and implemented a Django-based food ordering platform, serving over 1000 customers and 20 restaurants, and increasing customer satisfaction by 30%.
- Ensured reliable data storage and retrieval with SQL, maintaining a platform with 99.9% uptime and secure transactions.
- Improved user engagement by 20% through responsive design using HTML, CSS, JavaScript.
- Monitored and documented user growth of 15-20% monthly, integrating multiple payment gateways for secure transactions and collaborating on comprehensive project documentation.

TRAININGS & CERTIFICATIONS

- Achieved Python Programming Course – IBM Cognitive Class
- Earned Data Analysis with Python Certification – Magneq Software
- Acquired SQL and Relational Databases Certification – IBM Cognitive Class
- Finished Accenture Developer Role Virtual Internship – Forage