

Pannaga PS

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Experience

Software Engineer

Deep Cognition

*Bengaluru, KA
Feb 2024 – Present*

- Developed and maintained web applications using Python, Django, and Flask.
- Implemented Django RESTful APIs for various modules and integrated them with front-end systems.
- Worked with MongoDB for database management and GridFS for storing and retrieving images.
- Collaborated with cross-functional teams to deliver high-quality software solutions.

Software Engineer Intern

Deep Cognition

*Bengaluru, KA
November 2023*

- Developed backend services using Python and Django, improving API performance by 20
- Integrated PostgreSQL for hybrid data handling.
- Collaborated on building a microservice architecture for scalable deployment.
- Contributed to CI/CD pipelines using GitHub Actions and Docker.
- Enhanced frontend features using React.js, improving user interactivity and load times.

Python Intern

Recruitmart

*Remote
June 2023*

- Developed a Resume Classifier using Natural Language Processing (NLP) to categorize resumes based on job roles (e.g., Data Scientist, Software Engineer).
- Used TF-IDF and word embeddings to extract meaningful features from resume texts.
- Trained and evaluated classification models using scikit-learn, achieving over 85
- Implemented an interactive web interface, enabling HRs to upload and classify resumes in real-time.
- Optimized the classifier pipeline for speed and accuracy with grid search and cross-validation.

Education

CMR Institute of Technology, Bengaluru, KA

B Tech in Information Science

February 2024

- GPA: 7.9
- **Coursework:** Computer Networks, Comparison of Learning Algorithms, Computational Theory

SDM Residential PU college, Ujire, KA

Pre-University

March 2020

- Percentage: 80
- **Coursework:** Computer Networks, Comparison of Learning Algorithms, Computational Theory

Skills

Languages: Python, JavaScript

Web Frameworks: Django, Node.js, Microservices

Databases: MongoDB, PostgreSQL, MySQL

Tools: Git, Docker, Kubernetes, Minikube, TensorFlow, GridFS

Other: Django REST APIs, Agile Methodologies, Unit Testing, CI/CD, DevOps

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder

Projects

De Centralised - Ecommerce(Dapazon)

[github](#) 

- Dapazon is a decentralized e-commerce platform enabling peer-to-peer transactions without intermediaries.
- Utilizes smart contracts to handle product listings, payments, and order fulfillment automatically.
- Integrated Metamask for wallet connectivity, allowing secure user authentication and Ether-based transactions.
- Implemented and tested smart contracts using Solidity, Truffle, and Ganache for a local Ethereum blockchain environment.
- Developed a Node.js backend to manage API endpoints, connected it with the blockchain using Web3.js and interactions with smart contracts.
- Demonstrates real-world application of Web3 in online marketplaces by eliminating centralized control.
- Tools Used: Solidity, Metamask, Truffle, Ganache, Web3.js, React.js, Node.js

Movie Review Classification- Sentiment Analysis

[github](#) 

- Designed a deep learning model to classify movie reviews as positive or negative using sentiment analysis.
- Preprocessed text data using NLTK for tokenization, stop word removal, and stemming.
- Transformed text inputs using TF-IDF and word embeddings for feature representation.
- Built, trained, and fine-tuned neural networks using TensorFlow and Keras for high accuracy.
- Achieved an accuracy of 90
- Evaluated model performance using confusion matrix, precision, recall, and F1-score.
- Tools Used: Python, TensorFlow, Keras, NLTK, Scikit-learn

Billing Software

[github](#) 

- Billing software for Bakery stores with inventory database, user interface ,dedicated admin and employee login.
- Developed a full-featured billing software tailored for small retail and bakery stores.
- Designed a Tkinter GUI for seamless user interaction and easy bill generation.
- Created role-based login system for Admin and Employee with different access levels.
- Implemented an inventory management system connected to an SQLite database for persistent data storage.
- Tools Used: Python, Tkinter, SQLite

Achievements

- Shortlisted in the top 32 teams for the Manthan Business Plan Competition 2023.
- Won first place in a Shark Tank competition.
- Participated in a National-level social hackathon.