BHANU PRASAD BANOTHU

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Career

Full-stack developer with 3+ years in Angular and a passion for transitioning into AI/ML engineering. Hands-on experience in Generative AI (Gemini API, Custom GPTs), neural networks, and data science (NumPy, Pandas, Jupyter). Proven ability to integrate AI into scalable applications (e.g., ChatGPT-style interfaces) and optimize systems for performance. Combines frontend expertise (Angular, React) with Python-based AI tools to build intelligent solutions.

Skills

Languages: Python , JavaScript (ES6+) , TypeScript , SQL

Technologies & Frameworks: Angular, FastAPI , HTML5, CSS3, SCSS, Bootstrap, RxJS, NgRx, Angular Material, AG Grid,AWS, S3, ReactJS , RESTful APIs, Jasmine Karma, Git, GitLab CI/CD, Vercel, Postman,Swagger,JIRA, Figma, Chrome DevTools ,Agile (Scrum, Sprint Planning, Stand-ups)

AI/ML & Tools: NumPy, Pandas, Matplotlib, Seaborn , Neural Networks, Jupyter Notebook, Google Colab

Work Experience

CStoreIQ, Hyderabad   Nov 2024 - Present

Angular Developer

- Migrated a Back Office POS application from Angular 7 to 17, boosting performance and scalability.
- Built complex AG Grid dashboards with server-side features and integrated ng2-charts for data visualization.
- Created a reusable Angular component library and implemented role-based access control with session handling.
- Collaborated on REST API integration, CI/CD pipelines, and optimized performance with lazy loading and bundle tuning.
- Angular,JavaScript (ES6+), Type Script, S3, HTML, CSS, Bootstrap, AG Grid, Rxjs, NgRx,Angular Material,SonarQube

Gaian Solutions / Mobius By Gaian, Hyderabad   Aug 2023 - Aug 2024

Associate Member Of Technical Staff - 1

- Developed end-to-end flow of the PI Portal using Angular 15 with a focus on enterprise-grade data visualization and real-time audience targeting.
- Built a fully responsive UI with HTML5, CSS3, SCSS, and integrated secure RESTful APIs for seamless front-end and back-end communication.
- Implemented CRON-based automation for data ingestion and maintained high code quality with SonarQube supported by Jasmine/Karma tests.
- Angular,JavaScript (ES6+), Type Script, S3, HTML, CSS, Bootstrap, AG Grid, Rxjs, NgRx,Angular Material,SonarQube

Tech Mahindra, Hyderabad   May 2022 - March 2022

Associate Technical Support

- Contributed to building an internal MIS tool using Angular 8 for efficient data tracking, reporting, and visualization.
- Developed responsive, cross-browser UIs by converting Figma designs into interactive components using HTML5, CSS3, Bootstrap, and Angular.
- Implemented routing, validations, and reusable modules to ensure scalable and maintainable code.
- Collaborated with UI/UX designers and developers in an Agile environment, using Git for version control and team coordination.
- Angular, Type Script ,Java SCript ,HTML ,CSS, Bootstrap

Education

JNTUH - Malla Reddy Institute Of Technology Hyderabad   Aug 2016 - Aug 2020
B.Tech in Civil Engineering   *CGPA: 6.3/10*

Certificates

- Java Full Stack Developer
- Prompt Engineering
- UML (Unified Modeling Language)

Project Work

- **Diabetes Prediction using Machine Learning**
  - Developed a predictive model to identify diabetic patients using the PIMA Indian Diabetes Dataset.
  - Applied classification algorithms such as Logistic Regression, Decision Trees, and Random Forests.
  - Performed data cleaning, feature engineering, and handled missing data to improve model quality.
  - Evaluated the model using accuracy, precision, recall, and F1-score; achieved 86% accuracy.
  - Visualized key data insights and model results with Seaborn and Matplotlib.
  Technologies: Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook

- **Image Classification using Machine Learning**
  - Built a machine learning pipeline to classify images of dogs and cats from a Kaggle dataset.
  - Extracted image features using techniques like Histogram of Oriented Gradients (HOG) and color histograms.
  - Trained classifiers including Support Vector Machines (SVM) and Random Forests for binary classification.
  - Applied data augmentation and preprocessing to enhance model generalization.
  - Achieved over 90% accuracy on validation data, demonstrating strong classification performance.
  Technologies: Python, Scikit-learn, NumPy, Google Colab

- **HRMS Dashboard :** Developed a modern web-based HRMS platform integrating core enterprise modules to simplify internal operations. The product combines HR functions, real-time communication, and productivity tools in one seamless application.

- **Mind-MOON Agent :** Just finished building a custom GPT using Google's Gemini API — integrating it into a full-stack setup with a ChatGPT-style UI. It's been an exciting deep dive into Generative AI and large language models.