

PODUVU DHARANTEJ REDDY

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SUMMARY

Innovative AI and Software Engineer skilled in AI/ML, Deep Learning, and Full-Stack Development. Experienced in building scalable AI-powered applications and integrating NLP, Computer Vision, and Predictive Analytics into production environments. Proficient in React Native, Django, FastAPI, and cloud deployment on Google Cloud and AWS. Passionate about MLOps, model deployment, and data-driven systems that enhance user experience and drive innovation.

SKILLS

Programming: Python, JavaScript, Java, Dart, R, SQL, C++

AI/ML/DL: Machine Learning, Deep Learning, CNNs, RNNs, LSTMs, Transformers, NLP, BERT, DistilBERT, spaCy, Transfer Learning, Model Explainability, Model Deployment

Frameworks: PyTorch, TensorFlow, scikit-learn, Hugging Face, Django, FastAPI, React Native, FlutterFlow

Cloud and DevOps: Google Cloud, AWS, EC2, S3, Docker, Git, CI/CD

Data Analytics: Pandas, NumPy, Power BI, Jupyter, EDA, Feature Engineering, Statistical Modeling

Databases: MySQL, Firebase, NoSQL

Other: RESTful APIs, Excel, G Suite, Microsoft Office

Soft Skills: Problem Solving, Teamwork, Adaptability, Learning Agility, Data Storytelling, Communication

PROFESSIONAL EXPERIENCE

React Native Developer Intern - AI and Software Division

Anshap Services Private Limited - Hyderabad, Telangana

September 2025 - Present

- Built and maintained AI-integrated mobile applications using React Native, Django, and FastAPI
- Designed user-centric UIs connected to machine learning APIs for real-time recommendations and sentiment analysis
- Developed RESTful APIs for AI modules, user authentication, and analytics reporting
- Implemented Firebase for live data synchronization and notifications

- Integrated NLP-based journaling modules and emotion recognition systems to enhance personalization
- Collaborated with cross-functional teams including AI, Backend, and Design for full product lifecycle delivery
- Deployed cloud-based solutions on Google Cloud and managed version control with Git
- Improved application response time by 30% through optimized API communication
- Delivered AI-driven features that increased user engagement and retention

PROJECTS

Stenius - AI Stock Market Analyzer

- Developed hybrid ML-LSTM model using Python for time-series stock prediction, improving accuracy by 14%
- Built a portfolio optimizer with dynamic risk profiling and auto-retraining using live APIs
- Designed analytics dashboards in Power BI for daily trading performance visualization

Dooki - AI Personal Recipe Ecosystem

- Created content-based recommendation system using BERT and collaborative filtering with Python
- Integrated food image classification using ResNet50 CNN to auto-generate nutrition data
- Built a recipe parser using spaCy and custom NLP models for extracting steps and calorie information

Swud - Urban Mobility AI Platform

- Designed multi-objective Reinforcement Learning agent for route and fare optimization on ride-hailing datasets
- Applied unsupervised clustering for demand forecasting and anomaly detection
- Automated Power BI dashboards for transport analytics and policy insights

Boof - Book Summarization and Sentiment AI

- Implemented DistilBERT and seq2seq models for text summarization
- Developed audio-to-text transcription with Wav2Vec2 for Indian languages
- Built sentiment analysis pipeline to auto-tag emotional tone in book chapters

SafeDrive - Real-Time Driver Emotion and Fatigue Detection

- Created CNN-LSTM hybrid model with EfficientNet backbone for detecting fatigue via dash-cam video
- Deployed lightweight inference on Raspberry Pi for in-vehicle real-time alerts

EDUCATION

Bachelor of Technology - Artificial Intelligence and Data Science

Chaitanya Bharathi Institute of Technology - Hyderabad, Telangana

Expected Graduation: May 2026

CGPA: 7.5

Relevant Coursework: Machine Learning, Deep Learning, Data Structures and Algorithms, Artificial Intelligence, Cloud Computing, Natural Language Processing, Data Science

ACHIEVEMENTS

- Smart India Hackathon - Finalist for Job Recommendation System using Skill Graph Embeddings
- Aurora University Hackathon - Winner
- BITS AI Hackathon - Finalist
- Boosted event participation by 3x through strategic digital outreach
- Recognized for team collaboration and reliability in AI-driven projects

CERTIFICATIONS

- Google Cloud Professional AI/ML - Google Cloud
- Kaggle Machine Learning and Data Science - Kaggle
- Microsoft Power BI for Business Analytics - Microsoft
- Business Communication Skills - Coursera

ADDITIONAL INFORMATION

Languages: English, Hindi, Telugu

Technical Interests: Applied AI, MLOps, Cloud AI Solutions, Full-Stack Development, NLP Systems

Open Source: github.com/dharan1007