Akhil Salla

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PROFESSIONAL SUMMARY

Machine Learning Engineer with hands-on experience in developing predictive models, APIs, and scalable ML pipelines. Proficient in Python, TensorFlow, PyTorch, and NLP with a track record of driving business outcomes such as cost reduction and productivity gains. Passionate about building robust AI systems and collaborating with cross-functional teams to deliver impactful solutions.

SKILLS & ABILITIES

- **Languages**: Python, C++, SQL
- **Frameworks/Libraries**: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Seaborn, Django.
- **AI/ML Techniques**: Predictive Modeling, Deep Learning, Natural Language Processing, Computer Vision, Classification, Clustering, Regression, Feature Engineering.
- **Tools**: JupyterLab, Git, MySQL, REST API.
- **Other**: Statistical Analysis, Data Mining, Model Deployment, Large Language Models (LLM).

EXPERIENCE

SOFTWARE ENGINEER | NEXQUARE | MARCH 2023 – SEPTEMBER 2023.

- Developed the School Fee API that streamlined revenue tracking, resulting in a 20% reduction in administrative costs.
- Built an Automatic Label Encoder to reuse mapped labels, decreasing development downtime by 90%.
- Designed a multi-user API for managing student syllabi, doubling educational content management productivity.

DATA SCIENTIST | 21K SCHOOL | AUGUST 2022 – OCTOBER 2022

- Analyzed 5TB of administrative data for lead generation and behavior prediction, improving leads by 30%.
- Conducted feature engineering, selection, and built high-accuracy ML models to automate insights.
- Delivered tools that automated report generation for school administration.

PART TIME

MACHINE LEARNING ENGINEER | CODVIS | JULY 2021 – NOVEMBER 2021.

- Led a 6-member ML team to release 5 customer-focused features within 3 months.
- Coordinated cross-functional teams to integrate AI into products, reducing dev time by 25%.

PROJECTS

FORECASTING A COUNTRY'S LIFE EXPECTANCY | LINK

- Built a regression model with Scikit-Learn to forecast life expectancy for various nations.
- EDA using univariate and bivariate analysis, heteroscedasticity checks, and gradient descent.
- Provided actionable insights to optimize healthcare spending based on forecasted outcomes.

CALCULATING CPC FOR GOOGLE ADS | LINK

- Developed a linear regression model to predict ad Cost-Per-Click with over 90% accuracy.
- Helped businesses optimize ad budgets and increase ROI by up to 4x.

EDUCATION

- Bachelor Of Technology In Computer Science and Engineering | July 2022 | Vignana Bharathi Institute Of Technology, Hyderabad, Telangana.

AWARDS AND ACHIEVEMENTS

- Awarded 2nd in Code Hustle, a very competitive Inter College coding competition.
- Conducted a 24-hour Machine Learning Hackathon.
- Secured Ranger Batch in Salesforce training module.

CERTIFICATIONS

- Machine Learning with Python (Coursera)
- Deep Learning Specialization (DeepLearning.AI)