BALAJI BETADUR

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Portfolio
LinkedIn
Github

EDUCATION

KLS Gogte Institute of Technology, Belgaum Karnataka   2017 - 2021
Bachelor of Engineering in Computer Science   **CGPA: 9.3/10**

LANGUAGES AND SKILLS

Programming Languages : Python, Javascript, SQL, C++, HTML, CSS
Web Development   : ReactJS, MongoDB, Flask, REST API, Redux, Bootstrap, ExpressJS, firebase, OAuth
Data Science, ML, DL : Sklearn, Keras, Pandas, fastai, Neural Networks, DBMS
Miscellaneous   : Git, VScode, AWS, Operating Systems: Linux, Windows

WORK EXPERIENCE

Quantitative Analyst and Python Developer   Jan 21 - present
Blueberry Capital, Delhi

❖ Designed a customizable end-to-end trading platform on cloud infrastructure that supports **multi-account and multi-broker trading** with **less than 2% latency**.
❖ Features like copy-trading, **AI modules to analyze trades**, trending signal generation, a backtesting engine, and **60+ business strategies boosted profits by 21%** in 9 months, making the **platform unique** from other service providers.
❖ The automation process saved users **20+ hours per week of manual work** and **improved execution speed by 60%**.
❖ Tech Stack: Python, AWS, Scikit-learn, Keras, Pandas, Neural Networks, Git, MongoDB, REST API, Jupyter Notebooks

Frontend Teaching Assistant   Mar 22 - present
Relevel by Unacademy, Banglore

❖ Working on implementing front-end projects and teaching **300+ learners**. Teaching subjects are ReactJs, **Data Structures and Algorithms, Competitive Programmin**g, Javascript, HTML, and CSS.
❖ **Relevel test scores increased by 120+ points** for 30% of the learners after taking the classes for 2 months**.**
❖ Tech Stack: React, Javascript, Redux, HTML, REST API, CSS, Data Structures and Algorithms, Competitive Programming

Frontend Development Intern   Apr 20 - May 20
Conscript, MP

❖ Created a **learning and job portal application** in less than 30 days where both employees and employers can be users.
❖ Fetches the matching jobs based on the keywords from an employee's resume; based on the job description keywords, suitable profiles will be displayed to the employer using cosine similarity matching with **93% accuracy**.
❖ Recommends suitable courses for the employee based on the trending job openings and profile analytics with **99% accuracy**.
❖ Tech Stack: JavaScript, React, HTML, CSS, Bootstrap, Git, Heroku, Machine Learning, Python

Web Development Intern   Jan 20 - Mar 20
Conscript, MP

❖ A hybrid blog and shopping application allow users to browse the blog and buy products. Verified users can also add posts to the blog. The application can be linked with social media platforms to exchange posts.
❖ The application **stood 2nd among 150+ teams** participating in a web development hackathon.
❖ Tech Stack: JavaScript, Firebase, Flask, REST API, Bootstrap, HTML, CSS, Git, Heroku

PROJECTS

Auto Model Training
❖ Designed a platform to train, re-train, use, and export machine learning models **irrespective of the user's technical knowledge** that helped **200+ students**. The application also provides a hyperparameter tuning feature.
❖ Eliminated the barrier for non-tech students from accessing the advantages of machine learning.

Covid-19 Infection Predictor
❖ Deployed a Machine Learning application to predict the COVID-19 infection probability using the user's symptoms, including fever, cough, body pain, and cold. Used by **1300+ people,** including the residents in the community.
❖ The module uses deep learning to predict lung infection with the user's x-ray images. Face-mask detection software was **installed in 3 societies** using OpenCV.

Study Abroad Platform
❖ The study Abroad platform provides a complete package for someone who wants to study abroad. It includes a GRE preparation module to learn new words with new features absent in well-known applications online.
❖ The platform also provides IELTS and TOEFL preparation, University shortlisting, profile evaluation, university prediction, Networking, and Room finder. (in progress)

ACCOMPLISHMENTS, EXTRA-CURRICULAR AND CERTIFICATIONS

❖ Won second prize in **2 National Level AI hackathons held by IIT Bombay** (i. AI Email classifier, ii. Traffic sign detector)
❖ Achieved **six stars** on Hackerrank in **python competitive programming**.
❖ Won a App presentation hackathon in a TechFest held by GIT Belgaum.
❖ **Certifications**: AWS Cloud Practioner, Machine Learning Specialization by Stanford University, Deep Learning by Andrew Ng, Data Science Professional Certification by IBM.
❖ **Extra-Curricular**: Won State Level Painting Competition, Student Club Coordinator: Tech-Paper Presentation and Fine Arts.