

PRACHET SHAH

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Education

2020 – 2024	B.Tech - Computer Science and Engineering (Data Science) , Dwarkadas J. Sanghvi College of Engineering <ul style="list-style-type: none">• CGPA - 9.67• Coursework - Machine Learning, Statistics, Computer Vision, Data Analysis, Big Data Engineering, Operating System, DBMS, Cloud Computing, Time Series Analysis, Reinforcement Learning, Java
2018 – 2020	Chandrabhan Sharma College of Science HSC - 88.3%

Professional Experience

Jun 2023 – Aug 2023	Software Developer Intern , Arcon <ul style="list-style-type: none">• Broadened knowledge of ARCON Privileged Access Management (PAM)• Optimized existing APIs reducing access time of response utilizing caching for faster retrievals by 10%
Aug 2022 – Nov 2022	Junior Machine Learning Engineer (Intern) , Juppiter AI Labs <ul style="list-style-type: none">• Led a cross-regional team in deploying high-performing email monitoring script using Azure OCR, NLP, and Email SMTP with successful execution rate of 85% on AWS EC2 instance.• Pioneered the creation of over 25 immersive Hands-On Labs, Capstone projects, and their corresponding Unit Tests, amplifying the learning experience for KnowledgeHub's (UpGrad) esteemed MLOps course
May 2022 – Jul 2022	Web Developer , myAnalyst <ul style="list-style-type: none">• Collaborated with the client to establish and adhere to 1.5-week milestones for submission, while actively gathering and incorporating new requirements.• Designed a robust website leveraging cutting-edge technologies such as MERN stack and Flask, contributing as a key member of a highly efficient 3-person team.
Dec 2021 – Mar 2022	Machine Learning Intern , Feynn Labs AI <ul style="list-style-type: none">• Identified new problem areas and researched technical details to build innovative products and solutions.• Worked on Product Service Prototype Development and Business/Financial Modelling for Small Business increasing profits by 10-15% utilizing Association Rule Mining.

Skills

Programming Languages

C++, Python, JavaScript

Machine Learning

Scikit-learn, Tensorflow, Pandas, Numpy, OpenCV, Keras, Matplotlib

Web Development

HTML, CSS, React.js, Node.js, Flask, Django, Node, SQL, noSQL

Tools

AWS, PySpark, Git, GitHub, Docker, MS Office, Tableau

Projects

- Incento - Promotion Engine**, React, Node.js, Flask, MongoDB [🔗](#)
- Built a scalable Promotion Engine, utilizing **Node.js** backend for coupon verification and generation, ML-based customer analysis, **Flutter SDK** Integration, and an intuitive admin page, resulting in a **40% increase** in coupon redemption rates for small and large scale companies
- Karla Bot**, Python, NLP, OCR, SMTP [🔗](#)
- Developed an email monitoring bot utilizing **NLP** for flagging potential leads, **Azure Cognitive Services OCR** for Foreign Identity Verification checks through attachments, and **SMTP** for sending appropriate replies achieving an accuracy rate of approximately 85% with the NLP model accurately processing the email contents.
- EthAnalytics**, pySpark, Docker, Selenium [🔗](#)
- Achieved real-time analysis of over 10,000 Ethereum transactions scraped using **Selenium** analyzed with **PySpark** while also reducing the cost to store the massive data in a database by storing only the analytics instead of all the data stored as a container in **Docker** which can be pulled on any machine as a local image and run the service.
- CIFAR-10 Classification**, Tensorflow, CNN, Azure
- Deployed a **CNN** model on **Microsoft Azure**, utilizing the VGG-16 architecture, achieving a sparse categorical accuracy of 90% on the training set and 80% accuracy on the test set.

Achievements / Positions of Responsibilities

- 1st Place Winner at Intercollege Hackathon conducted by **TIAA** out of 20+ teams representing their college. [\[Github\]](#) [🔗](#)
- 1st Place Winner at LOC 5.0, 24 hour Hackathon organized by **ACM, DJSCE** [\[Github\]](#) [🔗](#)
- Second Runner Up in **Doceree** and **TechGig** Machine learning Hackathon from over 3000+ participants [\[Github\]](#) [🔗](#)
- Second Runner Up in Unscript Rookie Machine Learning Hackathon, conducted by **FCRCE** [\[Github\]](#) [🔗](#)
- **Vice-Chairperson Tech** at **DJS Compute** - Mentored and Led a team of over **50+ students** to conduct lectures, seminars by industry experts, and workshops on notable topics like Machine Learning, MLOps, Competitive Programming, App, and Web Development.
- **Head of Events at DJS S4DS** - Organizing hackathons and workshops, catering to **1200+** participants. Spearheaded successful execution of events by coordinating with stakeholders and managing logistics, and creating a collaborative environment to brainstorm innovative event ideas.

Courses and Certifications

- AWS Academy Cloud Architecting [🔗](#)
- Build and operate ML solutions with Azure Machine Learning [🔗](#)
- Goldman Sachs Engineering Virtual Experience Program [🔗](#)
- AWS Academy Cloud Foundations [🔗](#)
- DeepLearning.AI TensorFlow Developer [🔗](#)
- 100 Days of Code: Complete Python Bootcamp [🔗](#)