

Vishnu Prasad

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<https://github.com/VishnuPrasad1998>

EXPERIENCE

Working Student - Data Science 06/2024 – Present

Allianz AGCS, Portfolio Steering & CUO Liability, Frankfurt, Germany

- Co-developed a global Power BI dashboard as part of a 3-member team, analyzing 39,000+ large corp insurees (>\$500M exposure); boosted underwriting efficiency by 30% and delivered faster insights to 70+ CUO Liability stakeholders across regions.
- Developed 5+ custom Power Apps and Power Automate workflows used by 100+ internal users; the flagship Large Loss Triage app reduced decision turnaround time by 40% and improved claim prioritization accuracy.
- Built 20+ PySpark transformation jobs to process over 20 million rows across AGCS pricing, US exposure, and policy datasets—cutting data prep time by 60% and enhancing downstream model performance.
- Migrated 10+ legacy Foundry ETL pipelines into modular PySpark code, reducing runtime by 45%, improving error transparency, and saving ~12 hours/week in maintenance efforts.
- Created an ML-driven Auto Recall prediction engine using NHTSA's public recall data (1M+ records); achieved 92% classification accuracy and automated the recall flagging workflow for US Auto underwriting teams.
- Implemented a real-time Notification Management System using Power Platform tools, triggering alerts across 8 KPIs and 5 regions: reduced SLA breaches by 35% within the first quarter of deployment.
- Enhanced dashboard adoption by introducing 15+ new visualizations and custom KPIs, leading to a 25% uptick in active usage by regional heads and practice group leaders

Backend Engineer 09/2021 – 09/2023

Tangentia Inc, Goa, India

- Built and maintained automation for Amazon Finance Team, that automated 92% of manual work by processing 4000 monthly invoices from 24 countries.
- Improved automation factor from 69% to 88%.
- Built 40+ REST API's for Patient portal and Admin for a North America based Health Care project using Flask and MongoDB.
- Worked on building a backend system for an Ed Tech Product using Flask and PostgreSQL.
- *Technologies Used:* Python, Django, Flask, AWS Redshift, AWS RDS, AWS S3, MongoDB.

Backend Developer 04/2022 – 09/2022

Atalki(Freelance)

- Worked as a freelance backend lead for an AI based FAQ generation product.
- Developed/Integrated multiple features like Authentication, Live Chat, Mailing, Payment Gateway etc. from scratch.
- *Technologies Used:* Python, Django, Django Rest Framework, MySQL, Postman, Celery, Nginx, Gunicorn, Stripe

Engineer 09/2020 – 09/2021

Qburst Technologies, Kerala, India

- Worked as Backend Developer for a UAE-based freemium social media project which included building REST API and writing test cases(unit test) for its version one.
- The product is currently used by 500K+ users in playstore.
- *Technologies Used:* Python, Django, Flask, MySQL, Bitbucket, Kafka.

EDUCATION

MSc Web and Data Science

10/2023

University of Koblenz, Germany

CGPA: 2.3

Bachelor of Technology (B.Tech.) - Computer Science and Engineering 07/2016
– 09/2020

Government Engineering College Sreekrishnapuram, Palakkad, Kerala, India

CGPA: 7.54

SKILLS

Language:

English C1, German A1

Technical:

PySpark, Power BI, Power Apps, Power Automate, Python, MS Excel, Palantir Foundry, Django, Django REST Framework, Flask, SQL, PostgreSQL, MySQL, MongoDB, SQLAlchemy, AWS Redshift, AWS RDS, AWS S3, AWS EC2, AWS IAM, Git, Docker, Jenkins, CI/CD, REST API, Microservice Architecture, Linux, Celery, Django Channels, Stripe Integration, Node.js, JavaScript, Jira, Scrum, High-Level Design, Communication, Teamwork

CERTIFICATIONS

PL400: Microsoft Certified, Power Platform Developer Associate

HOBBIES

Playing Badminton, Listening to music, Reading, Singing.