

# Prasad Patil

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## EDUCATION

### FERGUSSON COLLEGE, PUNE Bachelor of Computer Science

June- 2020 – June 2023  
CGPA: 8.90/10

## COURSEWORK

### UNDERGRADUATE

Data Structures & Algorithms.  
Operating Systems.  
Database Management Systems.  
Network and Protocols.  
Data Mining.

## SKILLS

### PROGRAMMING LANGUAGES:

• C • Python • Go • Bash

### FRAMEWORKS:

• Django • FastAPI • Gin

### DATABASES:

• MySQL • PostgreSQL

### TOOLS/PLATFORMS:

• Git • Docker • Kafka  
• Hadoop • Spark • AWS

### SOFT SKILLS:

• Team Player • Result Oriented  
• Creative Problem Solver  
• Proactive Contributor

## HONORS/AWARDS:

• Core Member at Student Council (JOSH) of FC Pune.  
• Campus Ambassador at Techfest, IIT Bombay 2021  
• RMI Member of Probe Marketing.  
• Bronze Medalist at Inter Zonal Volleyball Competition.

## CERTIFICATIONS:

• Python Developer Certification  
• Cisco Certified Network Associate  
• AWS Cloud Practitioner Essential

## EXPERIENCE

### Software Developer | *Devakrut*

Feb 2024 – Oct 2024

- Implemented dynamic features using **Django** and **Flask**, leading to a **17%** rise in customer engagement levels.
- Improved application performance and user experience by optimizing backend processes, leading to a significant reduction in response time.
- Enhanced application security and performance by employing **WebSocket** and **HTTP/2** technologies.
- Collaborated with cross-functional teams to deliver projects that improved user satisfaction and retention rates.
- Utilized **Google Analytics** and web-vitals to gather data on user interactions and site performance, leading to actionable insights that drove a **21%** increase in user engagement

### Network Security Engineer | *SecurityHQ*

Sep 2023 – Jan 2024

- Configured multi-vendor Next-gen firewalls and managed **IPSec** and **VPN tunnels** for clients.
- Implemented network automation solutions, including **Kiwicat** for backups.
- Provided on-call troubleshooting support for customer firewalls and diagnosed network security issues.
- Developed a **Python** script to automate the preparation of RFC (Request for Change) documents.
- Deployed and inspected IT network systems, ensuring optimal performance.
- Utilized network monitoring tools like Nagios for system.

## PROJECTS

### BMail | *Python, Bash, Linux*

Developed a speech-enabled email client using Python for composing, sending, and reading emails via voice commands, enhancing accessibility. Integrated speech recognition for dictating emails and **text-to-speech** for audible inbox reading. Utilized libraries like **smtplib** and **imaplib** for efficient email handling, accompanied by clear setup instructions.

### Udhaar Finance Management Application | *Javascript, HTML/CSS, TypeScript*

Developed a finance management application that improved loan tracking efficiency by **9%**, with features like transaction history, partial payments, day-wise history, and lender-specific filters. Enhanced user experience by integrating a lender dropdown list and multiple modes of transaction, leading to a **25%** increase in user engagement.

### NEWS Aggregator | *Render, Flask*

Created a news aggregation platform using Python to collect and display articles from various sources, providing users with personalized news feeds. Implemented web scraping techniques to gather content and **utilized APIs for real-time updates**. Designed a user-friendly interface to enhance navigation and user experience, ensuring seamless access to diverse news topics.