

## Summary

Aspiring Python Developer with a strong foundation in Python programming and beginner-level experience in data analysis using Pandas, NumPy, and Matplotlib. Passionate about data-driven problem solving and building automation tools. Eager to apply technical skills and learn modern development practices.

## Education

<b>Annamalai University</b>	Chidambaram, Cuddalore
Bachelor of Computer Science and Engineering	Nov 2022 – Apr 2026
CGPA: 8.33	
<b>St. Paul Matriculation Higher Secondary School</b>	Kurinjipadi, Cuddalore
HSC-Maths, Physics, Chemistry and Biology	Jun 2020 – May 2021
Percentage: 89%	

## Internships

<b>8Queens Software Technologies   Full Stack Developer</b>	Jun 2025 – Jul 2025
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Completed one-month full-stack internship, contributing to development of scalable web applications using Python frameworks and relational databases. Developed responsive interfaces with CSS Grid/Flexbox, implemented REST APIs for data exchange, and optimized SQL queries for improved application performance and database efficiency.

## Skills

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|-------------------------------|----------------------------------------------|
| <b>Programming Languages:</b> | Java, Python, C, HTML, CSS, JavaScript       |
| <b>Frameworks/Libraries:</b>  | ReactJS, Django, Flask, Scikit-learn, Nodejs |
| <b>Tools/Platforms:</b>       | Git, GitHub, Canva, VS Code                  |
| <b>Database:</b>              | MySQL, OracleDB, MongoDB                     |

## Projects

<b>Education Management System</b>	Python, Django
Built an educational platform where instructors can create courses and students can enroll, using Python Django framework with PostgreSQL database. Designed responsive course interfaces with HTML/CSS, implemented video uploading, quiz system with automatic grading, and progress tracking. Developed complex SQL queries for user analytics, course recommendations, and performance reports.	

<b>Interactive Learning Assessment Platform</b>	Python, Flask
Engineered <b>AssessmentPro</b> , a comprehensive full-stack learning evaluation platform utilizing <b>Python Flask</b> for backend services, <b>SQLite/MySQL</b> for persistent data storage, and <b>HTML5/CSS3/JavaScript</b> for responsive frontend interfaces. Developed an intuitive quiz creation system enabling educators to design dynamic MCQ assessments with automated scoring, while implementing real-time validation and performance analytics dashboards that visualize student progress through <b>SQL aggregation queries</b> and <b>data visualization</b> techniques.	

## Certifications

- Data Structures and Backend with Java**- Earned a Coursera certification in Data Structures for Backend Java development. Gained practical skills in implementing core data structures for optimized backend performance.
- Data Visualization with Tableau** - Developed expertise in creating interactive dashboards, designing compelling visual narratives, and transforming complex datasets into actionable business insights for data-driven decision making.

## Honors & Award

- Elite NPTEL Certification in Cloud Computing**- Earned Govt-recognized NPTEL cloud computing certification with demonstrated skills in cloud architecture and deployment.