

AKASH S NAIR

PYTHON FULL-STACK DEVELOPER

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PROFILE

BCA graduate specializing in **Python** full-stack development using **Django**, **Flask**, and **React.js**. Proficient in building secure, scalable web applications with **RESTful APIs** and **JWT authentication**. Experienced in designing responsive interfaces with **Tailwind CSS**, managing **MySQL** and **MongoDB** databases, and integrating third-party services. Strong foundation in clean architecture, performance optimization, and version control using **Git** and **GitHub**.

TECHNICAL SKILLS

- **Languages & Backend:** Python, Django, Flask, RESTful APIs, Django ORM, JWT Auth
- **Frontend:** React.js, JavaScript (ES6+), Tailwind CSS, HTML5, Figma
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite
- **DevOps & Tools:** Git, GitHub, Postman

WORK EXPERIENCE

Full Stack Developer Intern

Internship Program | 6 Months

- Developed full-stack applications using **Python**, **Django**, and **Flask** with clean backend architecture.
- Designed **RESTful APIs** for **React.js** frontends and built responsive UIs with **Tailwind CSS**.
- Implemented secure **JWT authentication** and optimized **MySQL/MongoDB** database queries.
- Converted **Figma** designs to functional code, ensuring testing and performance optimization.

LANGUAGES

English: Fluent **Malayalam:** Native

PROJECTS

ASTRALFIN : Neo-Banking FinTech Platform | [Source: github.com/astradevop/AstralFin](https://github.com/astradevop/AstralFin)

Technologies: Python, Django 5, PostgreSQL (Supabase), HTML5, Tailwind CSS, JavaScript, Auth0 (OAuth), ReportLab, Git, GitHub

- Developed a comprehensive neo-banking application supporting digital account creation, secure fund transfers and real-time transaction tracking.
- Integrated Auth0 and Social Auth to provide secure, seamless **authentication** and user management.
- Built robust modules for Loan Management (with automated EMI scheduling & pre-closure) and Investment Portfolios (tracking Mutual Funds, Stocks, & Fixed Deposits).
- Designed a detailed Transaction History system offering tabular statements with PDF export functionality using ReportLab.
- Utilized **PostgreSQL** hosted on Supabase for high-performance database management and data integrity.
- Collaborated using modern practices with a responsive frontend design utilizing **Tailwind CSS** key banking operations.

TaskX – Task Management System | [Source: github.com/astradevop/taskX](https://github.com/astradevop/taskX)

Technologies: React, Flask, MongoDB, Tailwind CSS, JavaScript, Python

- Built a full-featured task management system with **JWT authentication**, CRUD operations, and role-based access control.
- Designed a modern glassmorphism UI with real-time updates, task filtering, priority levels, and due date tracking.
- Implemented secure user **authentication**, admin/user role separation, and responsive design for optimal user experience.
- Helped improve productivity, streamline task tracking, and enhance workflow efficiency with modern web technologies.

EDUCATION

BCA (Information Technology)

Ettumanoorappan College (Affiliated to Mahatma Gandhi University) *Completed Jun 2025*

Higher Secondary (Computer Science)

IHRD Technical HSS, Puthuppally *Completed Jun 2022*

Certifications

- AI Tools & ChatGPT Workshop, Be10X - Apr 2023
- Python Programming (Beginner → Intermediate), KELTRON(K) - 2025