

# Naveen Kumar M

## Software Engineer

☎+91 9092556354 | ✉naveenkumar86420@gmail.com | 🔗linkedin.com/in/naveen-kumar-m-8491ab204/  
🐙github.com/naveenkumar86420 | 🌐naveenkumar86420.github.io/

### WORK EXPERIENCE

#### Bigthinkcode - Software Engineer

11/2023 – Present

##### Throughput- Backend Enhancements for Supply Chain Platform

Tech: Django DRF, Python, Pandas, Swagger/OpenAPI, Docker, Redis

- Improved API performance in **Django DRF** by restructuring filters, optimizing data operations (**Pandas**), and enhancing validation, resulting in **~20–30% faster API responses**
- Delivered architectural **improvements** that reduced code complexity and increased **maintainability** across core backend modules
- Implemented **Microsoft SSO (OAuth2)** for a multi-tenant system and refined **Swagger/OpenAPI** documentation, improving authentication reliability and reducing integration queries

##### Python Microservice Template - Internal Backend Framework

Tech: FastAPI, REST APIs, Docker, ELK, Make, Jinja Templating

- Improved onboarding speed by creating documentation and automation scripts, enabling teams to **bootstrap new backend services ~50% faster**
- Designed and built a **reusable** Python microservice template in **FastAPI** with standardized project structure, logging, validation, and API patterns

#### Bigthinkcode - Associate Software Engineer

09/2022 – 11/2023

##### Mercari - Backend Services for eCommerce Platform

Tech: Python, Flask, GCP, ArangoDB, Scrapy, Selenium

- Developed **backend automation** services using Python and **Flask** to extract, process, and normalize e-commerce data, improving data-processing **throughput by ~20–30%** and reducing manual intervention.
- Built Python CLI automation scripts that streamlined recurring product-update workflows, cutting **manual effort by ~40%** and enabling **faster release** of requirements and new features.

#### Bigthinkcode - Software Intern

03/2022 – 09/2022

##### Parking Lot- Frontend and Backend Services for Booking App

Tech: Python, Flask, PostgreSQL, API design, HTML, CSS, JS

- Built **REST APIs** and **PostgreSQL** data models for booking and availability features, improving response accuracy and speeding up **CRUD operations by ~30%**
- Developed **simple UI** pages and integrated them with backend APIs to deliver a functional booking flow for the **MVP**

### PROJECTS

#### Fastapi React Oauth Integration 🔗

10/2025 - 11/2025

Tech: Python, FastAPI, React, Redis, OAuth2, REST APIs

- Designed a modular integration middleware using the **Adapter pattern**, across 3+ SaaS providers (**HubSpot, Notion**), reducing code **redundancy by ~40%** and ensuring secure state management via **Redis**.

### SKILLS

**Languages:** Python, SQL, C, C++, JavaScript, HTML/CSS, bash

**Frameworks:** FastAPI, Flask, Django DRF, Basic React

**Backend:** REST, gRPC, Microservices, OAuth2/JWT, RabbitMQ

**Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, GitHub Actions, Nginx, ELK

**Databases & Testing:** PostgreSQL, MySQL, Redis, Pytest, Postman

**AI Integration:** LLM, Openai, Gemini, NLP, prompting

### EDUCATION

Sri Venkateswara College of Engineering - Chennai, India

2018 – 2022

B.E. Electrical and Electronics Engineering

CGPA: 8.53

### AWARDS

Bigthinkcode - Above and Beyond Q1 2025

### CERTIFICATIONS

KodeKloud - Kubernetes for the Absolute Beginners - Hands-on Tutorial