

# PRAVEEN PATIL

Bengaluru, Karnataka

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"An undergraduate at **Bangalore Institute of Technology**, passionate about **problem-solving** and **coding**, with strong proficiency in **Data Structures** and **Object-Oriented Programming** using languages such as **Python** and **Java**. Having excellent **communication skills** and prior experience in **project management**".

## EDUCATION

### Bangalore Institute of Technology

*B.E - Information Science and Engineering - CGPA - 8.47(Till 5th semester)*

**Dec 2022 – present**

*Bengaluru, Karnataka*

### Tungal PU Science College

*INTERMEDIATE - Grade - 87%*

**2020 – 2022**

*Bagalkot, Karnataka*

## PROJECTS

### Apex Browser | Desktop GUI Web Browser(Python, PyQt5, WebEngineView)

**2025**

- Built a custom desktop browser using **PyQt5** and **QtWebEngine**, delivering a seamless native experience with core browsing functionality.
- Designed a **network request interceptor** to block trackers, strip suspicious headers, and defend against fingerprinting techniques.
- Enabled **JavaScript toggling, tab isolation, and ad suppression**, giving users fine-grained control and boosting security posture.
- Implemented a **secure startup protocol** and disabled telemetry features, ensuring no background data leakage during runtime.

### Blogopedia | Full-Stack Blogging Platform (Flask, WTForms, CKEditor, SQLAlchemy)

**2024**

- Developed a full-stack blogging platform with user authentication, post management, and a responsive UI.
- Implemented the backend using **Flask**, handling user authentication, post creation, and database management.
- Used **SQLAlchemy** for ORM-based database operations and integrated **Flask-Login** for secure authentication.
- Enabled content creation with a rich text editor (**Flask-CKEditor**) and user avatars via **Flask-Gravatar**.
- Deployed on **Vercel**, optimizing API responses for high performance and scalability.

### Inventory Management System | Java, JDBC, MySQL, JSP, Servlet, Bootstrap

**2024**

- Developed a full-fledged inventory management system with features for **adding, updating, and deleting inventory items**.
- Implemented **JDBC** to establish a seamless connection between the application and **MySQL** database.
- Designed a **user authentication system** with login and registration functionalities to ensure secure access.
- Used **Bootstrap** and JSP to build a professional, responsive user interface.
- Enabled dynamic database interactions for real-time inventory updates and efficient stock management.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, SQL (MySQL, Postgres), JavaScript, HTML/CSS

**Frameworks:** Django, Flask, Bootstrap, Web Scraping(BeautifulSoup, Selenium)

**Developer Tools:** Git, VS Code, PyCharm, IntelliJ, Eclipse, Postman, Tableau, Google Colab

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn

**Coursework:** Data Structures & Algorithms, Analysis and Design of Algorithms, Operating Systems, DBMS, Computer Networks, Advanced Java

## CERTIFICATIONS

- 100 Days of Code: The Complete Python Pro Bootcamp - Udemy
- Microsoft Excel - Excel from Beginner to Advanced 2025 - Udemy