

Vikash Tiwari

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About Me

Friendly, enthusiastic, and detail-oriented team player and leader with a passion for technology and innovation. Skilled in managing tasks efficiently while inspiring others to deliver their best. A dedicated Computer Science & Engineering student with hands-on experience in Python, Java, and C++ programming, known for creating impactful software projects and collaborating with diverse teams. Adept at quality assurance, bug tracking, and ensuring optimal user experience through testing and analysis. A natural multi-tasker who thrives under pressure, excels at training peers, and consistently goes above and beyond to exceed project expectations. Always eager to learn and master new technologies to contribute meaningfully to any team.

Experience

Snapdeal - Online marketplace company

Intern, Quality Assurance 08 Aug 2022 – 08 Jan 2023

- Conducted thorough website link testing to ensure functionality and user experience, identifying and documenting errors.
- Collaborated with the development team to resolve issues, using various testing tools to improve reliability and performance.
- Contributed feedback to enhance quality assurance processes.

Education

B.TECH IN COMPUTER SCIENCE & ENGINEERING | CHANDIGARH GROUP OF COLLEGES

DIPLOMA IN COMPUTER SCIENCE & ENGINEERING | D.P.G POLYTECHNIC COLLEGE

MATRICULATION (CBSE) | KENDRIYA VIDYALAYA NO.1 DELHI CANTT – 110010

Soft Skills

- Active Listening
- Quick Learner
- Public Speaking
- Multitasking
- Relationship Building
- Time Management
- Team Leadership
- Conflict Resolution
- Resilience in challenging situation
- Strategic Planning
- Goal Oriented
- Negotiation

Technical Competences

Languages: – Python | C | C++

Database: - MySQL | MongoDB

Operating System:- Windows | Linux | macOS

Technical Skills

Programming & Development

- Python
- Java
- C++
- JavaScript
- Kotlin
- HTML5, CSS3
- TypeScript

Software Engineering Tools

- Git & GitHub
- Docker
- VS Code / IntelliJ / Android Studio
- Postman (API testing)

Databases & Cloud

- MySQL
- MongoDB
- Firebase
- SQLite
- PostgreSQL
- AWS (EC2, S3, Lambda)
- Azure
- Google Cloud

Web & App Development

- React.js / Angular.js
- Node.js
- Django (Python Framework)
- Flask
- RESTful APIs
- Android Development (Java/Kotlin)
- Responsive Design (Bootstrap/Tailwind CSS)

Data Science & AI/ML

- NumPy
- Pandas
- Matplotlib
- Seaborn
- Scikit-learn
- TensorFlow
- OpenCV
- Data Cleaning & Visualization

Cybersecurity & Networking

- Network Security Fundamentals
- Nmap
- Kali Linux
- Wireshark
- Ethical Hacking Tools

Projects - GitHub Profile

1. Expense Tracker Desktop Application- [GitHub](#)

❖ Technologies Used - Python | Tkinter | SQLite | OOP | GUI Design

- Built a fully functional personal finance desktop application using Python and Tkinter for GUI.
- Utilized SQLite for local data persistence with CRUD operations on an `ExpenseTracker` table.
- Implemented features like:
- Add/Edit/Delete/View expenses
- Convert data into human-readable sentence format
- Validation for clean data input
- Tabular display with `ttk.Treeview`
- Packaged the app as a standalone desktop tool.

2. Expense Tracker Web Application - [GitHub](#)

❖ Technologies Used - Python (Django) | HTML | CSS | JavaScript

- Built a full-stack web version of a Expense Tracker with the same features as the desktop version.
- Backend developed using Flask with SQLite database integration.
- Frontend built with HTML/CSS and enhanced using JavaScript.
- Implemented clean UI, CRUD operations, sentence preview, and form validation.

3. Internet Service Provider System (V.T. ISP SYSTEM) - [GitHub](#)

❖ Technologies Used - Python | Tkinter (GUI) | SQLite (Database)

- Comprehensive ISP management system with dashboard, customer, plans, complaints, billing, and troubleshooting modules.
- Modern UI with themed widgets, responsive design, and interactive elements.
- CRUD operations for customers, plans, complaints, and billing.
- Automated troubleshooting guide for common internet issues.
- Real-time statistics and activity logging.

Industrial Trainings

- Python Technology - Grazitti Interactive (IT service management company)
- C Training - Spoken Tutorial Project (IIT Bombay)
- C++ Training - Spoken Tutorial Project (IIT Bombay)
- HTML - Spoken Tutorial Project (IIT Bombay)

Certifications

- AWS Academy Graduate - **Cloud Operations**
- Robotic Process Automation (RPA) with **UiPath Automation**
- Cyber Security Tools | NIELIT (Calicut)
- Python Programming |TECHNOPHILIA – IIT BOMBAY
- C++ Programming |STAR INFOTECH – New Delhi
- SQL (Basic, Intermediate) |**HackerRank**
- Web Development |TECHNOPHILIA – IIT BOMBAY

Interest & Hobbies

- Travelling
- Music Listening
- PC Gaming
- Editing Videos
- Podcast Listening (Tech, History)
- Problem-solving Puzzles / Brain Games
- Watching Movies & Web Series
- Reading (Fiction, Non-fiction, Biographies)
- Traveling and Cultural Exploration
- Volunteering / Social Service