

# KAVYA KHANDELWAL

---

## PERSONAL DETAILS

kavyakhandelwal984@gmail.com, +91-8209723524

Website: kavyak.dev

LinkedIn: [linkedin.com/in/kavya-khandelwal-66025831a/](https://www.linkedin.com/in/kavya-khandelwal-66025831a/)

GitHub: <https://github.com/kavya-coder-hub>

## PROFILE

Motivated and results-oriented Computer Science undergraduate with professional experience in **Python development, backend engineering, and web application architecture**. Skilled in designing and developing secure, scalable RESTful APIs and automation tools using **Flask** and **Django**. Proven ability to integrate databases like **MySQL** and **SQLite**, and deploy applications using **AWS Lambda** and **serverless frameworks**. Strong understanding of **object-oriented programming (OOP)** and **software development lifecycle (SDLC)**. Experienced in using **Git** for version control and working within **agile environments**. Fast learner with excellent debugging skills and a strong commitment to clean, maintainable code. Passionate about solving real-world problems through technology and delivering production-ready solutions.

## EMPLOYMENT

### Software Developer Simulation

Jan 2025 – Present

EA&HP Enterprise

- **Designed and developed a RESTful web service using Python (Flask)**, integrating backend endpoints with HPE GreenLake Cloud APIs for seamless data exchange and real-time processing.
- **Implemented and executed unit tests using PyTest and unittest frameworks** to ensure code reliability, performance, and security across the application.
- **Developed core game mechanics using Python and Pygame**, optimizing logic for improved frame rates, responsiveness, and player experience.
- **Utilized advanced debugging and problem-solving techniques in Python** to enhance gameplay functionality and performance within a collaborative, large-scale development environment.

### Freelance Software Developer

Jan 2021 – Present

ATTREY.DEV

- **Delivered 20+ full-cycle software projects** across domains such as **cryptocurrency tokens, NFT marketplaces, Telegram bots, web scrapers, process automation tools, and responsive web applications**.
- **Implemented robust solutions** using a versatile tech stack: **Python (Django, FastAPI), JavaScript (React.js), HTML/CSS, MongoDB Atlas, AWS (EC2, S3, Lambda), Solidity, WordPress, and Shopify**, showcasing expertise in **full-stack development** and **cloud infrastructure**.
- **Deployed and managed cloud-based applications on Amazon Web Services (AWS)**, utilizing **EC2 instances** for compute resources, **S3 buckets** for data storage, and **Lambda functions** for cost-effective, serverless execution.
- **Engineered scalable and secure backend systems** using Python frameworks like **Django** and **FastAPI**, focusing on modular architecture, performance optimization, and maintainability.

## SKILLS

Amazon Elastic Compute Cloud

Amazon Web Services

Django Web Framework (APIs)

MongoDB

Restful APIs

Node.js

Data Pipelines

TypeScript

Firebase

Flask

Amazon S3

Application Programming Interfaces

Github

React

JavaScript

Api Design

Express.js

Supabase

Python

Socket.io

## PROJECTS

### AWS-DJANGO | GitHub: Repo

- **Designed and developed a scalable web application** using **Django**, implementing secure user authentication, CRUD operations, and a modular MVC structure for clean backend architecture.
- **Integrated AWS cloud services** including **EC2** for hosting, **RDS** for managed database services, and **S3** for media storage, enabling efficient and scalable deployment of the Django application.
- **Implemented environment-specific configurations** using .env files and Python decoupling to securely manage sensitive credentials and deploy across multiple environments.
- **Automated deployment processes** using Git and AWS CLI, streamlining code updates to production and improving DevOps workflow.

### DevConnector – Full Stack Dev Social Network

- Developed a full-stack social networking platform for developers using **React**, **Node.js**, **Express**, and **MongoDB**, featuring user authentication, post creation, and GitHub integration.
- Built a secure backend with **JWT-based login/register**, and implemented CRUD operations for user profiles, education, experience, posts, likes, and comments.
- Utilized **Redux** for global state management and **Express Validator** for backend form validation.
- Deployed the application using **MongoDB Atlas (cloud DB)**, hosted the backend API with **Render**, and deployed the frontend via **Vercel**.
- Designed the architecture using **MVC principles**, ensured mobile responsiveness, and integrated GitHub's public API for live repo syncing

## EDUCATION

### BACHELOR OF TECHNOLOGY

ITM Skills University [2024-28]

- Specialized in **web development**, **cloud computing**, and **infrastructure automation** with hands-on projects.
- Worked on **real-world applications** integrating **Python (Django)**, **JavaScript (React)**, and **AWS** for scalable solutions.
- Developed expertise in **DevOps**, **API integrations**, and **cybersecurity practices** through simulations