

# DEEPESH KUMAR

Palam Colony, New Delhi, 110045

987-056-4609

[deepesh.kumar.ug21@nsut.ac.in](mailto:deepesh.kumar.ug21@nsut.ac.in)

[linkedin.com/in/akadeepesh](https://www.linkedin.com/in/akadeepesh)

[github.com/akadeepesh](https://github.com/akadeepesh)

## Education

**Netaji Subhas University of Technology**

*Bachelor of Technology*

**Nov. 2021 – Mar 2025(Expected)**

*New Delhi, Delhi*

**Kendriya Vidyalaya No.2 Delhi Cantt**

*Senior Secondary school*

**Mar. 2019 – Mar 2021**

*New Delhi, Delhi*

## Technical Skills

**Languages:** Python, HTML/CSS, JavaScript, Typescript, Cpp, SQL

**Technologies/Frameworks:** React.js, Next.js, Wordpress, Django, MySQL, PostgreSQL, Python GUI - Tkinter

**Developer Tools:** VS Code, Git, GitHub, Google Colab, Figma, Sublime Text

## Experience

**Upside Down Labs**

**3/Jun/2024 – 3/Aug/2024**

*Software Development Engineer*

*New Delhi, Delhi*

- Developed a full-stack Signal Visualizer web app using Next.js and Django for real-time biopotential signal analysis (EMG, ECG, EEG and EOG).
- Implemented WebSocket communication, Serial port connection and automatic port detection via pyserial.
- Created advanced features including multi-channel real-time plotting, FFT analysis, EEG band power visualization, and raw csv data export functionality.

**Brain Intel Corp**

**1/June/2023 – 31/July/2023**

*Python Developer*

*New Delhi, Delhi*

- Engineered a neural network model for voice-based emotion detection, achieving 85% accuracy using CNN and transfer learning techniques.
- Implemented feature extraction and model training using open-source datasets from Kaggle.
- Utilized Python ecosystem including Librosa, scikit-learn, Keras, and TensorFlow for efficient development and experimentation.

## Projects

**Simplicity** | *Next.js, Convex Dev, Typescript, TailwindCSS, Clerk js, Shadcn UI, Aceternity UI*

**April 2024**

- Built a user-friendly platform for discovering and sharing poetry, featuring content creation, liking, and community features.
- Implemented secure user management, allowing users to control their poems, interact with content, and report issues.
- Developed robust filtering options, empowering users to navigate poems based on author, title, content, date, and popularity.

**PizzaTheatre** | *Next.js, Convex Dev, Typescript, TailwindCSS, Clerk js, Shadcn UI, Aceternity UI*

**March 2024**

- Created a dynamic online pizza ordering system, enabling users to customize orders, manage their cart, and complete purchases.
- Built a comprehensive admin dashboard for managing pizza offerings, tracking orders, and providing exceptional customer service.

**Personal Voice Assistant** | *Django, React.js, Python Speech Recognizer, GPT4ALL*

**October 2022**

- Developed a responsive voice assistant using Python, Django, and React.js, enabling users to control various tasks through speech commands.
- Integrated GPT4ALL for advanced natural language understanding, allowing the assistant to handle complex requests and provide intelligent responses.

**Python Automation Projects**

**July 2023**

- Developed a suite of Python automation tools, including grammar correction, playlist management, news aggregation, and web search automation.

## Achievements

- Ranked 2nd globally on WakaTime for coding productivity, logging 103 hours and 8 minutes in a single week.
- Earned certifications in Python, Problem Solving, SQL (HackerRank), DSA C++ (DevTown), and Azure AI (Microsoft Learn).
- Two-time Hacktoberfest participant, finishing 11th globally in rapid completion with all required pull requests merged on day one.