

Vaibhav Gupta

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Motivated postgraduate with a strong academic background seeking a challenging role in a dynamic, growth-oriented company. Eager to apply academic knowledge and gain practical experience.

EDUCATION

Manipal University, Jaipur

2023-2025

Master of Computer Application | CGPA – 9.57/10

Maharishi Arvind Institute of Science & Management

2020-2023

BCA (Bachelor of Computer Applications)

WORK EXPERIENCE / INTERNSHIP

Python Programming intern – CODSOFT

(May 2024 - June 2024)

- **Weather Forecasting:** Deployed a real-time weather forecasting application utilizing APIs, delivering up-to-date weather information to over 70% daily users.
- **Password Generator:** Refined a robust password generator that enabled users to create secure and customizable passwords, leading to an estimated 30% increase in account security.
- **Calculator:** Created an advanced calculator with additional functionalities to improve user experience.
- **Todo List:** Engineered a user-friendly Todo list application with add update and delete functionalities.
- **Contact Book:** Constructed a contact book system managing 1,000+ contacts with advanced search and categorization features, reducing contact management time by 40%.

Web Development Intern – TEACHNOOK

(Jan 2024 - Mar 2024)

- **Full-Stack Development:** Architected and maintained web applications using a diverse technology stack including HTML, CSS, JavaScript, PHP, MySQL, Node.js, and MongoDB; enhanced site performance to accommodate 200+ daily users.
- **Enhanced User Experience:** Designed and implemented interactive web layouts utilizing HTML, CSS, and JavaScript; bolstered user engagement by creating a more intuitive interface that improved navigation speed for 100+ monthly users.
- **E-commerce Development:** Streamlined user registration features, resulting in a 30% reduction in time-to-activation for new buyers and sellers on Craft Heaven. This improved the onboarding process efficiency.
- **Agile Development:** Proactively adapted to 11 concurrent projects (10 minor, 1 major) in a fast-paced agile development internship. Collaborated with team members during retrospectives to identify and address 5 primary blockers, resulting in actionable insights to enhance project speed and efficiency.

PROJECT

Voice Assistant using Python [[Github Link](#)]

- **Developed a voice assistant application** by leveraging various Python modules and libraries, including speech recognition, text-to-speech, and natural language processing (NLP) tools.
- **Web Automation:** Automated web tasks with Selenium, including product data extraction and regression testing, resulting in a 20% increase in data extraction efficiency and productivity.

Login Page in Python using Django Framework [[Github Link](#)]

- **Streamlined User Onboarding:** Engineered a comprehensive registration system with robust password encryption, reducing average onboarding time by 60%.
- **Enhanced Security:** Devised and integrated an email verification feature to strengthen security and improve user authentication processes.

Stock Price Prediction [[Github Link](#)]

- **Model Development:** Built a stock price prediction model using Python, incorporating libraries such as Pandas, NumPy, Matplotlib, and Scikit-Learn for data manipulation, analysis, visualization and machine learning algorithms.
- **Data-Driven Forecasting:** Forecasted future stock prices using historical data, employing statistical and forecasting techniques. Utilized a 70/30 split for training and testing datasets to evaluate model accuracy and performance.

Course Data Scraper and Manager Web Application [[Github Link](#)]

- **Full-Stack Web Application Development:** Automated the scraping of course data (title, description, instructor, testimonials, images) from GeeksforGeeks using a full-stack web application built with Flask, Selenium, and BeautifulSoup. Processed over 150 course entries.
- **Dynamic Web Pages and Data Management:** Developed dynamic web pages to display and edit scraped course information, reducing manual data entry time by 70%. Implemented JSON for data storage and Flask routing for seamless navigation.
- **Optimized Scraping and Error Handling:** Enhanced scraping efficiency with headless Chrome and integrated error handling, reducing data extraction errors by 30%.

CERTIFICATIONS

- Crash Course on Python | Google Coursera
- Introduction to Cybersecurity | Cisco
- Web Development Internship | Teachnook (Btech Walleh)
- Introduction to Front-End Development | META Coursera
- Python Internship | CODSOFT
- Gen AI & PromptCon Workshop | DAR MUJ

TECHNICAL SKILLS

- Programming Languages: Python, Java, C, C++
- Web Development: HTML, CSS, JavaScript, PHP, Django, Flask, React.js
- Database Management: SQL, MongoDB
- Machine Learning: Scikit-Learn, Pandas, NumPy
- AI/Automation: Speech Recognition, Text-to-Speech, Selenium
- Software Tools: Microsoft Word, Excel