

Bhavya Dhiman

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Profile Summary

- Passionate computer science student with a strong foundation in programming, data structures, and algorithms, alongside skills in Python, Java, C++, and cloud technologies.
- A quick learner who thrives under pressure and excels in team environments.
- Driven by enthusiasm for projects, continuously growing and applying problem-solving abilities to deliver innovative solutions.

Relevant Coursework

- Cloud Computing and Virtualisation Technologies
- AI Tools and Requirement Gathering
- Cloud Solutions Architecting
- Development Operations

Experience

Headstarter AI - SWE Fellow

June 2024 – July 2024

- Worked on five projects in a team of four SWE fellows at headstarter AI, involvig usage of various Gen AI, python frameworks such as Django, Flask, etc. 5-6 weeks of constant networking and project building.

Time Bank of India - Social Intern

March 2024 – March 2024

- Performed data analysis and handling. Usage of excel and tracking the usage of their website by all the members in the TBOI Community. Social awareness programmes in Chandigarh.

Projects

The Tiger Guide | Python, AI/ML

Sept 2024

- Predicting migration patterns of tigers using AI/ML. Developed a web app using streamlit library from Python to beuild the front end and the backend, used hidden markov models and viterbi algorithm for predicting the migration patterns of tigers, manually gathered the dataset for tigers. Represented in the form of a graph and finite state machine.

Animal Counter | Python, OpenCV, PyTorch, Numpy

Jan 2025

- Developed an image recognition system to identify species and count individuals in real-time using a Raspberry Pi camera and Python. Leveraged deep learning models (e.g., YOLO, ResNet) for species detection and counting, integrated with OpenCV for image processing.

Cloud Implementation | Peering Connections, AWS VPC, EC2, S3, Autoscaling, Solutions Architecting

Dec 2023

- Deployed a three tier architecture with presentation layer, business logic layer and database layer using Amazon VPC, also performed peering connections.

Technical Skills

- **Languages:** C ++ , SQL, Python
- **Frameworks and cloud platforms:** Node js, Flask, AWS, Google Cloud Platform

Education

University of Petroleum and Energy Studies

Aug 2022 – Present

Bachelor of Technology – CGPA: 8.45

Certifications

Crowned Concept Mobile app development

AWS Academy Graduate AWS Academy Introduction to Cloud Semester 2

AWS Academy Graduate AWS Academy Cloud Architecting

AWS Skill Builder Cloud Practitioner Essentials