

Vishwesh Radhakrishna Pillai

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EDUCATION

ARIZONA STATE UNIVERSITY

MASTER OF SCIENCE IN COMPUTER

SCIENCE

May 2024 - Expected

Tempe, AZ

GPA: 3.89

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY IN
ELECTRONICS AND COMMUNICATION
ENGINEERING

May 2022

Nagpur, India

GPA: 8.61/10

COURSEWORK

Object Oriented Programming

Concepts in Operating Systems

Data Structures and Algorithms

Computer Networks

Foundations of Algorithms

Artificial Intelligence

Foundations of Machine Learning

SKILLS

PROGRAMMING

Languages:

Python • Java • C++ • MySQL •

HTML/CSS/JavaScript

Frameworks:

Django • React.js • Spring Boot • Apache

POI • JUnit • Tensorflow/Keras

TOOLS/APPLICATIONS

GIT • JIRA • Confluence • VSCode •

Pycharm • Bitbucket • Jupyter Notebook

OPERATING SYSTEMS

Linux • Windows

HONORS/AWARDS

2022 Ranked **403** in India in
Google Hash Code.

2021 Team placed **3rd** in **Hackon
with Amazon** Hackathon.

2019 Secured **4th** position in
VNIT in **ACM ICPC** India
Regionals with AIR 921.

EXPERIENCE

JP MORGAN CHASE & CO. | SUMMER INTERN (SOFTWARE DEVELOPER)

May. 2021 – July 2021 | Mumbai, India

- Developed new internal automation tool, written in **Java** using the **Apache POI API**, to automate the process of onboarding and offboarding of international markets and reduce developer hours by **48x**.
- Designed a developer-facing interface (front-end + back-end) for the automation tool using **Spring Boot** and **React**.
- Worked with a team of developers using **JIRA**.
- Wrote unit tests for all API endpoints using **JUnit** and extensively documented the tool using **Confluence**.

STUDENT PORTAL, VNIT | WEB DEVELOPER

May 2020 – May 2022 | Nagpur, India

- Implemented a new LinkedIn "Sign in with LinkedIn" feature using the **LinkedIn API** to seamlessly integrate a student's academic profile with their professional profile.
- Developed new feature to connect students with professors willing to work on academic projects using **Django** as the backend and **React** as the frontend.
- Continuously managed and added new features to the deployed website on **Linux** infrastructure.

RESEARCH AND PERSONAL PROJECTS

UNCERTAINTY-AWARE FOOD IMAGE CLASSIFICATION

Hierarchical and flat classifiers-based food image classification using epistemic uncertainty

- When tested on the MAFood-121 image dataset, the proposed strategy achieves an accuracy of **80.11%**, which is greater than the state-of-the-art strategy by 1.97%.
- Paper titled "Integrated Hierarchical and Flat Classifiers for Food Image Classification using Epistemic Uncertainty" published as a part of the SPCOM 2022 conference proceedings, held in Indian Institute of Science, Bangalore from July 11-15, 2022.

DRONE DELIVERY ROUTE PLANNING SYSTEM

Developed a web-based software solution to plan and schedule delivery of essential packages by a fleet of drones

- Uses **genetic algorithms** to find the best possible solution and then simulates it on a web dashboard.
- Developed as a part of the **Hackon with Amazon** hackathon, an all-India competition organised by Amazon, where the project won **3rd** place.
- Written in **Python** using **Django**, **HTML**, **CSS** and **Javascript**.
- Github Link - github.com/yashm1/Drone-Delivery-Management

PASSMAN - A SIMPLE AND LIGHTWEIGHT PASSWORD MANAGER

A lightweight, command-line utility to manage storage and retrieval of passwords.

- Industry-standard 128-bit AES encryption is used to securely store the passwords.
- Written in **Python**.
- Github Link - github.com/theViz343/Passman