

# SWANAND VAISHAMPAYAN

(540)-824-8827 • [swanandsv@vt.edu](mailto:swanandsv@vt.edu) • [linkedin.com/in/swanandsv](https://www.linkedin.com/in/swanandsv)

## EDUCATION

**Doctor of Philosophy;** Computer Science

Virginia Tech, Blacksburg, VA

Aug 2021 - Present

**3.84 GPA**

**Bachelor of Engineering;** Computer Engineering

University of Mumbai, Mumbai, India

Aug 2017 - Jun 2021

**8.66 GPA**

## TECHNICAL SKILLS

**Programming:** JAVA, Python, JavaScript, HTML5, CSS, C, SQL

**Web Development Frameworks:** Django, Spring MVC, Flask

**Database Management:** SQL management studio, Snowflake Data Cloud

**Other:** Microsoft Azure Development, Machine Learning, Version control Git, MS Office

**Certifications:** Oracle Certified Associate, Java SE 8 Programmer

## PROFESSIONAL EXPERIENCE

**BioPharm Communications, New Hope, PA: Data & Analytics Intern**

Jun 2022 – Aug 2022

- Developed software web application in **Django framework** with **snowflake** in back-end. Deployed it on **Microsoft Azure** and improved overall performance by **10%**.
- Worked on Development of an **Azure Chatbot** as a research project and integrated it with the Django web application.

**Fox Domotics, Vasai, INDIA: Machine Learning Intern**

Jun 2019 – Jul 2019

- Used **regression, sentiment analysis** and various other Machine Learning algorithms to derive insightful results from play store app data spanning from 2013- 2018.
- Developed Python application to showcase the found insights.

**TechSkills IT Consultants, Borivali, INDIA: Web Developer Intern**

Feb 2019 – Jul 2019

- Active Java Intern who worked with the team of Java Developers to device an online e-commerce portal.
- Backend – Java Rest-Web services, Spring Boot, JPA, Hibernate.
- Frontend – HTML, CSS, Bootstrap.

## ACADEMIC PROJECTS

**Web-based application for college placement committee:**

Mar 2019 – May 2019

- Interactive web-based application using **Django framework**. HTML, CSS were used for front end with **MySQL** database connection.
- 1<sup>st</sup> Place** as “Best project” in intra college technical project presentation competition.

**Undergraduate Thesis Research Project**

Aug 2020 – May 2021

- Led team of three to design the system to detect low quality Deepfake videos using **CNN, LSTM** and **Super resolution**.
- Improved accuracy by **13%** as compared to legacy model and got overall accuracy of **94.16%**.
- 1<sup>st</sup> Place** in Best Paper Category NCERNB 2021.
- Winner** of VCET’S National Level Project Showcase 2021 (A Novel Approach for Deepfake Detection).

## PUBLICATIONS:

- Swanand Vaishampayan**, Sahar Farzanehpour, Chris Brown. "Procedural Justice and Fairness in Automated Resume Parsers for Tech Hiring: Insights from Candidate Perspectives". Visual Languages and Human-Centric Computing (2023).
- Guhagarkar, N., Desai, **S., Vaishampayan**, S., Save, A. (2022). A Novel Approach to Detect Low Quality Deepfake Videos. In: Shakya, S., Balas, V.E., Kamolphiwong, S., Du, KL. (eds) Sentimental Analysis and Deep Learning. Advances in Intelligent Systems and Computing, vol 1408. Springer, Singapore.  
[A Novel Approach to Detect Low Quality Deepfake Videos | SpringerLink.](#)

## OTHER WORK EXPERIENCE

**Graduate Research Assistant, Blacksburg, VA**

Jan 2023 - Present

**VT Dining Services, Blacksburg, VA: Student Manager**

Aug 2021 – Dec 2022