

# VIGNESH SWAMINATHAN

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## EDUCATION

**Boston University** | Boston, MA

Master of Science in Computer Science | GPA: 3.85/4.0

Sep 2024 - Jan 2026

**Relevant Coursework:** Software Engineering, Data Science with Python, Adv Machine Learning, Deep Reinforcement Learning

**Visvesvaraya Technological University** | Bengaluru, IN

B.E. in Information Science | GPA: 3.60/4.0

May 2024

**Relevant Coursework:** AIML, Data Structures and Algorithms, Database Management, Cryptography

## RELEVANT EXPERIENCE

**Boston University MET IT** | Boston, MA

Sep 2024 - Present

*Information Technology Analyst*

- Oversee ServiceNow platform and resolve 100+ support tickets weekly while leveraging Microsoft Office, Power BI, and Azure cloud development to enhance reporting, streamline workflows, and support secure file sharing across the university
- Maintain 50+ detailed IT documentation entries on the university wiki, streamlining internal support processes, improving troubleshooting efficiency, and reducing average ticket resolution time by 25% through enhanced knowledge sharing

**DSATM Department of Information Science** | Bengaluru, IN

Oct 2023 - Feb 2024

*Teaching Assistant*

- Taught C++ concepts to over 60 Computer Science majors, assisting students in understanding key programming principles, collaborated with two other teaching assistants to coordinate office hours, develop lesson plans, and ensure timely grading

**JIO Platforms Limited (Reliance Industries)** | Bengaluru, IN

Aug 2023 - Dec 2023

*Android Developer Intern*

- At JIO we developed an electric vehicle companion app and cluster, implementing Bluetooth communication for real-time data exchange and command transmission. Reviewed design docs and prototypes of an upcoming feature release
- Performed Automated testing and triaged bugs with engineers. Managed project development via Microsoft Azure DevOps, Android Studio and Flutter, while also enhancing UI/UX design based on Figma prototypes

## PROJECTS

- Menu Match:** A web app for restaurant discovery and reviews based on dietary preferences, integrating Google APIs, NLP, and ML recommendations. Deployed with Docker, AWS EC2, Jenkins, GitHub for CI/CD, and managed via JIRA
- IOT Smart Home Using Arduino:** An Arduino-based system using NLP and voice recognition to control sensors, lights, fans, and alarms via relays. Integrated with a mobile app for seamless automation routines, and hands-free control
- Law-Run Kernel:** Developed and maintained a custom Linux 4.9 based kernel for Qualcomm Snapdragon 845 devices, integrating (CAF) sources with upstream Linux patches, security driver and published on GitHub for community usage

## CONFERENCE & PUBLICATIONS

**International Conference on Advances in Artificial Intelligence and Computer Science (ICAAICS-2024)**

Chennai, IN

- AI BASED SECURITY SURVILLANCE SYSTEM- AN OVERVIEW has been accepted and published by ieeeforum in association with the Institute of Research and journals- [Link](#)

**7th International Conference on Innovative Computing and Communication 2024, A Flagship Conference**

Delhi, IN

- AI and Blockchain in Food and Beverage - Marketing 5.0 Approach, is published in the Springer LNNS series, organized by Shaheed Sukhdev College, University of Delhi, NIT Patna & University of Valladolid, Spain- [Link](#)

## TECHNICAL SKILLS & ACHIEVEMENTS

- Programming Languages:** C, C++, Python, Java, JavaScript, Html, CSS, PHP
- Tools:** Android Studio, Flutter, Figma, Azure, AWS, EC2, ServiceNow, Docker, Jenkins, Jira, Hadoop, GitHub, Git, Metasploit, OpenSSL, Wireshark, ASP.NET, React.js, Django, MySQL, MongoDB, Pandas, NumPy, PyTorch
- Achievements:** Won bronze medal in powerlifting at the district level championship held in Bengaluru, Achieved 2nd rank (Silver Medal) across the Information Science Department in the 2023-24 examinations with a GPA of 3.9/4.0

## CERTIFICATIONS

- Introduction to Programming with Python and Java, University of Pennsylvania Credential ID- Z7GSZ37TBFAK
- Google Data Analytics Specialization Credential ID- 8HCNNMFQPLTZ