

# ARYAN SARASWAT, BCSC

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## PROFESSIONAL SUMMARY

Bachelor Computer Science (BCS) candidate at the University of Central Florida with over 3 years of experience specializing in coding, app development, system programming, scripting, and automation. Demonstrating strong proficiency in software engineering, data structures, algorithms, and problem resolution, coupled with proven leadership in driving meaningful projects from conception to completion

## EDUCATION

**Bachelor of Science in Computer Science**, June 2026

University of Central Florida- Orlando, FL

- Organizational Involvement (active member)
- Knight Hacks (Hackathon 2024)
- Artificial Intelligence Club, Association for Computing Machinery, UCF Students for Humane Technology

## PROJECTS

- **File Organizer (Python, macOS Automation)** - Built a background-running file management tool using Watchdog and rumps; automatically organizes downloads by file type or keyword rules; packaged as a macOS menu bar app with launch-on-login support
- **Sign Language Detector (Python, TensorFlow)** - Developed real-time hand gesture recognition model using TensorFlow Object Detection API; achieved live classification and detection accuracy for sign language gestures

## WORK/INTERNSHIP EXPERIENCE

Motorola| Fort Lauderdale, FL

**Shadowing Intern** June 2022 - June 2022

- Shadowed senior software engineers and directors, engaged in debugging codes, process optimization, and feature development within complex systems. Gained hands-on experience in testing, including drop tests for radios
- Delivered a presentation on innovative technological solutions for natural disaster relief and preparedness, demonstrating both technical proficiency and strategic thinking

MATE ROV Robotics Competition (Regional)| Weston, FL

**Team Lead** August 2021 - May 2022

- Led development of custom circuit boards and integrated electronic triggers for the control system of a submersible robot in the MATE ROV Robotics regional competition
- Designed and soldered circuit boards, seamlessly connecting components within a control box to optimize robot's maneuverability and precision during underwater operations
- Engineered a submersible robot utilizing 3D-printed components, PVC pipes, motors, and custom claws, equipped with attachable cameras and netting to perform complex underwater tasks with precision and stability

**Portfolio:** [aryansaraswat.com](http://aryansaraswat.com)

## SKILLS

### Coding Languages:

(Advanced Proficiency): C, Python, Java, MIPS Assembly

(Intermediate Proficiency): HTML, CSS, PHP, JavaScript/Typescript

**Languages:** English, Hindi, Gujarati

**Core Competencies:** Coding, Application Programming, System Programming, Scripting, Automation, Software Engineering (intermediate), Problem Resolution, Data Structures & Algorithms (fluent efficiency), Project leadership

**Experienced application platforms:** Microsoft Office, AutoCAD, SolidWorks, IDLE, IntelliJ Idea, Visual Studio Code