

# SUNKENAPALLY ARAVIND

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## Education

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- B.Tech in Computer Science Engineering – University College of Engineering, Kakatiya University – Kothagudem 2021 – 2025 | CGPA: 8.20
- Intermediate (MPC) – Narayana Junior College, Medchal 2019 – 2021 | Marks: 968
- SSC – Jupiter English Medium School, Peddapalli 2018 – 2019 | CGPA: 9.8
- Certification: Nxtwave CCBP 4.0 – Full Stack Development & Python (Aug 2022 – Ongoing)

## Projects

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- **Mouse Cursor Control using OpenCV** GitHub: [https://github.com/Aravind630433/Mouse\\_cursor\\_control](https://github.com/Aravind630433/Mouse_cursor_control)  
Tools: Python, OpenCV, MediaPipe, PyAutoGUI
  - Built a real-time system to control mouse movement using right eye gaze detection via webcam.
  - Implemented blink detection using Eye Aspect Ratio (EAR) to trigger left-clicks hands-free.
  - Leveraged MediaPipe FaceMesh for facial landmark detection and PyAutoGUI for cursor control.
  - Calibrated and optimized eye-tracking thresholds for reliable interaction across users.
- **Wikipedia Search Web App** GitHub: <https://github.com/Aravind630433/wikipedia-search-app>  
Tools: HTML, CSS, JavaScript, Bootstrap
  - Live search with Wikipedia API and responsive UI.
- **Snake Game – Terminal-Based** GitHub: <https://github.com/Aravind630433/snake-game-python>  
Tools: Python, curses
  - Developed a CLI-based Snake Game with score tracking, keyboard control, and collision detection
  - Designed game logic using loops, key handling, and dynamic food generation
- **Password Generator using Python** GitHub: <https://github.com/Aravind630433/password-generatorpy>  
Tools & Technologies: Python, random, string, CLI (Command-Line Interface)
  - Developed a CLI-based password generator using Python's random and string libraries.
  - Allows users to generate secure passwords with customizable length and complexity.
  - Ensures strong password practices using a mix of uppercase, lowercase, numbers, and symbols.
  - Demonstrated use of loops, conditionals, and string manipulation

## Technical Skills

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- Programming: Python, JavaScript, HTML, CSS
- Tools: GitHub, Power BI, VS Code
- Libraries & Frameworks: Bootstrap, OpenCV, MediaPipe.
- Databases: SQL

## Certifications

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- Programming Foundations with Python – CCBP 4.0 (Sep 2023)
- Build Your Own Responsive Website – CCBP 4.0 (Mar & Aug 2023)
- AWS Mega Workshop & Project Completion – EC2, S3 (June 2024)
- Data Analytics Workshop – Power BI, Excel, Kaggle (Jan 2024)

## Achievements & Workshops

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- Participated in AWS, Data Analytics, and GenAI workshops.
- Built hands-on full stack projects through CCBP platform.