

SWAMI NATHAN B

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EDUCATION

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

B.TECH IN INFORMATION

TECHNOLOGY - PRESENT

Sathyamanagalam, TamilNadu

Cum. GPA: 8.76 (VI Sem)

KENDRIYA VIDYALAYA VIJAYA-NARAYANAM

HSC - 2020

Vijayanarayanam, TamilNadu

PERCENTAGE: 81

KENDRIYA VIDYALAYA VIJAYA-NARAYANAM

SSLC - 2018

Vijayanarayanam, TamilNadu

PERCENTAGE: 76.8

SKILLS

TECHNICAL SKILLS

Advance: C++ | Python

Intermediate: CSS | Javascript | MySQL

AREAS OF INTEREST

Front End development | Python (OOPS) |

Web Scrapping | Selenium Webdriver |

Graphic Designing | UI/UX |

TOOLS AND TECHNOLOGIES

Git | Github | Bitbucket | ReactJS |

Figma | PhotoShop | Canva | Blender |

AI | Convolutional Neural Network |

OpenCV |

Visual Studio Code |

COURSEWORK

GRADUATE

- Python 101 for Data Science (Cognitive Class)
- JavaScript Basics from Scratch (UpGrad)
- AI for Everyone (Coursera)
- Building Transformer-Based Natural Language Processing Applications (NVIDIA)

EXPERIENCE

DLK CAREER DEVELOPMENT CENTRE | FRONTEND INTERN

Apr 2022 – Jan 2022 | Chennai, TamilNadu

- Acquired practical experience in **HTML, CSS, and JavaScript** for web development projects.
- Applied front-end skills to create user-friendly web interfaces, gaining exposure to IT sector practices.
- Actively pursued ongoing learning, staying informed about industry trends and emerging technologies.

PROJECT

ONLINE PRICE TRACKER

Dec 2022 – Jan 2023

- Built a web scraping tool using Python with **BeautifulSoup and Requests** for real-time Amazon product price monitoring, featuring email notifications for users on price drops.
- Tech Stack: **Web Scrapping, SMTP, Requests, Python**
- GitHub: github.com/swami1302/AmazonPriceTracker

BMI CALCULATOR WITH REACT AND ANT DESIGN

Sep 2023 – Sep 2023

- Designed and implemented a Body Mass Index (BMI) Calculator web application using **React.js** and the **Ant Design** component library. The BMI Calculator allows users to input their height and weight, providing real-time BMI calculations along with corresponding health classifications.
- Tech Stack: **React.js, Ant Design, React Hooks, HTML/CSS, Responsive Web Design (RWD)**
- GitHub: github.com/swami1302/BMI

SMART SURVEILLANCE

Jul 2022 – Aug 2022

- Python-based system using **Haar Cascade** and **HOG algorithms** with **OpenCV** for real-time object detection and tracking in surveillance cameras. Enhances security and monitoring.
- Tech Stack: **OpenCV, Hog Algorithms, Harrcascade Algorithms, Python**
- GitHub: github.com/swami1302/SmartSurveillance

ACHIEVEMENTS

Completed 8 Levels of the Hindi Exam conducted by **Dakshina Bharat Hindi Prachar Sabha**. (2011 – 2015)

Finalist in **SPARK AR** Community Hackathon by Re-Skill. (Dec 2021)

Finalist in **BITS HACK** by BIT (2 Days Hackathon). (Sep 2023)

CO-CURRICULAR ACTIVITIES

BANNARI AMMAN INSTITUTE OF TECHNOLOGY | STUDENT TRAINER

- Trainer for class 6-7 for 10 Days as **C Trainer**.
- Trainer for Second Year Students as **Python and HTML, CSS, JS, ReactJS Trainer**.