

Ujjwel Balwal

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EDUCATION

**SRI SIVASUBRAMANIYA
NADAR COLLEGE
OF ENGINEERING**
BE COMPUTER SCIENCE
2017 - 21 | Chennai, IN
Cum. GPA: 8.1 / 10.0
Member: Competitive Coding Club
Class representative: SPOC

LINKS

Github:// [zeroinverse](#)
LinkedIn:// [ujjwel](#)

COURSEWORK

GRADUATE

Theory of Computation
Algorithm Design and Analysis
Data Structures
Compilers + Practicum
8086 | MIPS
Operating Systems
Database Management Systems
Mobile Development

ADD. CERTIFICATIONS AND COURSES

Algorithm Design - PENN
Machine Learning - Stanford
Data Science Methodology - IBM

SKILLS

PROGRAMMING

Python • C++ • C
Java • HTML • SQL
Assembly • \LaTeX
Hardware:
ESP32 • CC3D
Platforms:
ESP-IDF • Android • MySQL
OpenPilot • Arduino IDE

EXPERIENCE

ADMATIC SOLUTIONS | COMPUTER VISION INTERN

Oct 2019 - Dec 2019 | Chennai, IN

- Worked in the field of Computer Vision, Deep Learning, and Hardware.
- Tech-stack: Gesture recognition Toolkit, OpenAI Gym, ESP32, OpenCV.

CONTROLLER OF EXAMINATIONS, SSN UNIVERSITY

LEAD DEVELOPER: REVALUATION SUBMISSION SYSTEM

Aug 2019 - Oct 2019 | Chennai, IN

- Designed the architecture of in-house revaluation application and tracking system.
- The system is deployed in institution's intranet.

PROJECTS

FOREST FIRE DETECTION | INTERNALLY FUNDED PROJECT

BUDGET: 25,000/-

Aug 2018 - Aug 2019 | Chennai, IN

Worked on an internally funded project aiming to create a prototype drone, capable of autonomously monitoring a forest area for fires and raise an alarm in case of one; resulting in early mitigation and minimal damage

RESEARCH

BOT ASSISTED SOFTWARE DEVELOPMENT | RESEARCH PAPER

"International Journal of Innovative Technology and Exploring Engineering (IJITEE)" [Scopus indexed], ISSN: 2278-3075, Volume-8 Issue 6-S, April 2019 • **Received Best Paper Award**

FOSSIL FUEL EMISSION PREDICTION SYSTEM

PAPER PRESENTATION

International Conference on Recent Trends in Clean Technologies for Sustainable Environment (CTSE-2019)

FOREST FIRE DETECTION USING IMAGE PROCESSING

PAPER PRESENTATION

International Conference on Recent Trends in Clean Technologies for Sustainable Environment (CTSE-2019)

POSITION OF RESPONSIBILITY

Organizer	Invente 2k19 Flagship event of college Tech Fest
Education Volunteer	Defence Expo 2k18 International Exhibition
School Captain	School Pupil Leader Kendriya Vidyalaya No. 1

AWARDS

2018	runner-up Big Data Analytics Workshop case study ACM College Chapter
2017	Recipient of full waiver scholarship for Bachelors Degree All India Council of Technical Education
2014	Certificate of Honor National winner - Gurutsav Dept of Human Resource Development, Govt of India
2013	Certificate of Appreciation National Science Congress (NCSC) Dept of Science, Govt of India