

AAYUSH SUGANDHI (2017UCS0031)

ACADEMIC QUALIFICATIONS

Year	Degree/Examination	Board/University	%/CGPA
2017-Present	B. Tech. in Computer Science and Engineering	Indian Institute of Technology Jammu	8.26/10.0
2016	Class XII	Madhya Pradesh Board of Secondary Education	88.2%
2014	Class X	CBSE	10.0/10.0

ACADEMIC ACHIEVEMENTS AND SKILLS

Scholastic Achievements	<ul style="list-style-type: none"> Achieved National Rank 1 in the First round, for a given problem statement under software category of Smart India Hackathon organized by MHRD Cleared Pre Regional Mathematics Olympiad in Class XI Represented Dhar City in Division-Level Chess Championship Achieved 3rd position in the Hackathon “Innovate for IIT Hackathon” held at the Institute.
Technical Skills	<ul style="list-style-type: none"> Languages: Python, C, C++ Platform: Linux, Windows Misc: Machine Learning, Web Development (Html, CSS, JQuery, Bootstrap, JavaScript), App Development

INTERNSHIPS

IIT Bombay	<ul style="list-style-type: none"> Implemented Zero-Shot Image Tagging using Hierse at Indian Institute of Technology Bombay on May’19-July’19. Read various Research Paper about Zero-Shot Image Tagging. Tested our code on various images and summarized our code in a short report.
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PROJECTS AND PAPERS

Mess Review Web Application	<ul style="list-style-type: none"> Developed an AI-based Web App that makes mess food reviews and analyzes the sentiments of reviewers as well as to detect sarcastic comments in order to assist the mess secretary. Developed my own AI Model using SVM and Logistic Regression. The model attained an accuracy of more than 70% during testing. The entire Web App was developed in a 48 hour time period during “Innovate for IIT Hackathon” and achieved 3rd position.
Listen What You Create(Music Generation App)(Ongoing)	<ul style="list-style-type: none"> The goal of this project is to make a mobile application with a ML framework embedded in the backend that works on a dataset of music and generates new music based on the genre selected.
Website for Robotics Club	<ul style="list-style-type: none"> Done the Front End of Website for the Robotics club of IIT Jammu using Bootstrap classes and libraries and add various JavaScript Animations.
Facial Recognition	<ul style="list-style-type: none"> Used different Python Libraries like OpenCV and made a deep learning model which in real-time perform facial recognition (BTech 4th Semester Project Course)
3 Level Password System	<ul style="list-style-type: none"> Used different Python Libraries like Tkinter (GUI Library), PIL(Image Library), Captcha(For Captcha) and made 3 level password system 1) Plane Username 2) Image-Based GUI 3) Graph Captcha Based GUI.

Power train optimization (SIH)	<ul style="list-style-type: none"> Came up with a Software Solution to optimize the PowerTrain of heavy load dumping trucks increasing their transmission efficiency and fuel efficiency and also gave a hardware solution significantly reducing the weight and increasing the efficiency with a mathematical simulation model.
Foot Step Power Generator	<ul style="list-style-type: none"> Made a prototype device to convert Mechanical Energy of Footstep into Electrical Energy
Misc.	<ul style="list-style-type: none"> Some more projects on Machine Learning and Android Studio.

POSITIONS OF RESPONSIBILITY

Election Commission Member	<ul style="list-style-type: none"> Successfully conducted the election in the Institute in April 2019. Coordinated with all the other members of the commission.
TNP Cell	<ul style="list-style-type: none"> TnP Cell Coordinator from August 2019- Present
Others	<ul style="list-style-type: none"> Cultural Team member for First INDUSTRY CONCLAVE of IIT Jammu Outreach Team Member of Technunctus'19 (Technical Fest of IIT Jammu)

EXTRA CURRICULAR ACHIEVEMENTS

Dramatics Club	<ul style="list-style-type: none"> Performed in street play under the MANTHAN International Street Play Festival Performed a proscenium during our Cultural Fest. Performed a proscenium on Independence Day.
Misc	<ul style="list-style-type: none"> Cultural Management Team Member Contributed in a few intra college events.