

Naman Dutta

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EDUCATION

VIT University, Vellore — Bachelor in Technology:

July 2017 – Present

Graduation in Computer Science with current CGPA 8.56

Modern Indian School, Kathmandu — High School

2015 – 2017

Scored 87 % in CBSE class 12

EXPERIENCE

Technica Solutions — Full stack Developer Internship

April 2020 – May 2020

- Integrated 6+ end-to-end website in PHP, MySQL, and JavaScript by working 45+ hours a week.
- Google pay & Paytm API integration for payment, Google & Facebook API integration for login.
- Used FaceAPI, Web Audio Analyser Tools; object-oriented programming

10Orbits — Web Developer Internship

June 2019 – July 2019

- 45+ hours a week of component building, custom web templates, and assistant graphical designing in ongoing projects.
- Implemented Job Recommendation System in PHP and MySQL.
- Demonstration, wireframing and testing report on 3 team projects. Improved MVC concepts, REST API, and CodeIgnitor Framework; Troubleshooting 10 to 15 small web components

IEEE SSIT VIT Student Chapter — Public Relation Executive

March 2018 – March 2020

- Consolidated marketing, strategic advertisements, and sponsorship management that yielded in 50% growth.
- Operated 3 major competitive hacks, 5 major recruitments, 12 workshops, and 120 days of night session activities.
- Lead a chapter of 100+ members as Board by imposing various decisions. Directed designing and marketing team.
- Volunteered in Student Outreach Program activities for 1.5 years and collaboration with other chapters and clubs.
- Provided support for technical documentations, website integration and Project Management for the chapter

SKILLS

Technical Skills

Languages: Java, Cpp, Python, Javascript, PHP, Linux Scripting, Git, SASS, Microservices, REST API

Database: SQL, MySQL, MongoDB

Framework: React.js, Redux, Express.js, Node.js, Jquery, Bootstrap, Tailwind CSS

Technologies: Data Structures, Machine Learning, Software Development, Relational Database Management, Software Testing and Debugging

Tools: GitHub, Adobe Illustrator, Microsoft Office, Jupyter Notebook, Visual Studios Code

Soft Skills: Analytical thinking, Teamwork, Leadership, Public Speaking, Mass Communication, Logical Thinking, Self-motivated, Time Management

AWARDS & ACHIEVEMENTS

- **COMPEX Scholarship** from Indian Embassy for studying Bachelor in Technology in renown university in India.
 - **Certificate of Merit** Highest scorer in Computer Science in CBSE class 12
 - **Gold Certification** for HACK4CAUSE 3.0
 - **5-star Gold Badge** in competitive programming by HackerRank
 - **IOMRC-2020**, project presentation on 23rd October 2020 in 4th International Online Multidisciplinary Research Conference.
 - **Publication** in Journal of Information and Computational Science: [A novel approach for accident detection and traffic control](#)
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PROJECTS

Login System using Gesture Recognition

- Built gesture login using OpenCV, Otsu thresholding and Cosine Laws in python.

Automatic Attendance System

- Designed attendance system using LBPH algorithm, Haar Cascade classification, tkinter, OpenCV and Firebase.

StartUp Web Application

- Constructed an advance ecommerce website using React JS, Redux, Express JS, Node JS and MongoDB in microservices architecture with product recommendation system, google maps API for location, time series analysis and payment integration.

Diagnosis of Parkinson's disease via Speech Analysis

- Illustrated 3 machine learning algorithms: KNN, Decision Tree and Naïve Bayes on Parkinson's disease dataset in Python.

Improvising Round Robin Algorithm through Time Quantum

- Refined Round Robin process scheduling Algorithm using Time Quantum in C++ language.

Automated Test case Generation Tool

- Created an automated test case generation tool coded in Python; compiles testcases in C++, Python, Java, R language and Ruby.

Traffic Accident Detection

- Pioneered an application using Arduino coding, python libraries: ImageAI & SMTP, image processing, IaaS; continuous integration of data in php website and firebase database.

Crime Prediction System

- Developed using Django framework and Machine Learning to analyze and predict crime.

Smart Stick for visually impaired people

- Prototype built using Arduino, Ultra sonic sensor and GSM module.

Enterprise Resource Planning System

- Combined Projects on Tutorial, News Portal, Transportation, Tours & Travels, Billing & Advertisement Management System reformed using PHP, JQuery and MySQL.

Online Examination Management System

- Web application customized using PHP, MySQL, JQuery and SCSS; FACE API and Web Audio Analyzer libraries.
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CERTIFICATIONS

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|---|---|
| ❖ Fundamentals of Digital Image Processing | ❖ Microsoft EXCEL -Learn MS EXCEL for Data Analysis |
| ❖ Single Page Web Application with Angular JS | ❖ Getting started with Azure |
| ❖ Advanced Styling with Response Design | ❖ Modern Javascript for ReactJS – ES6 |
| ❖ Javascript: Coding Challenge Bootcamp- 2020 | |
| ❖ Rin Career Academy Course | |
| ❖ Bootstrap & JQuery – Certification Course | |
| ❖ Cyber Security and Internet of Things | |