

# NAMAN DUTTA

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## EDUCATION

**VIT University, Vellore** — Bachelor in Technology (2017 – 2021)  
Graduation in Computer Science with current CGPA 8.61

**Modern Indian School, Kathmandu** — High School (2015 – 2017)  
Scored 87 % in CBSE class 12

## EXPERIENCE

**Barclays USBC** — Graduate Analyst BA3  
September 2021 – Present

- Developed RESTful APIs in aPaaS microservices centered on credit card processing and banking.
- Worked on various strategies like prescreening, multiscard check, delayed downsell, instant credit card, prefill data, virtual card number.
- Indulged in Production, QA support, documentations and KT sessions.
- Worked in Agile environment to manage JIRA tickets stories and bugs.
- Used tools like Jenkins, Tomcat, Openshift, Vault Controller, kibana logs AppDynamics, and RAML
- Designed 3 major React components and used them in web application.
- Developed end-to-end journey of secondary product using React Redux
- Designed 5 solution architectures to cope with business requirements.
- Configured data attributes as per business.
- Integrated adobe analytics tool into React application.
- Used tools like Sonarqube and Sonarlint to improve code coverage, vulnerabilities, fix bugs and reduce code smells

**Technica Solutions** — Web 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** — Public Relation Executive

March 2018 – March 2020

- Consolidated marketing, strategic advertisements, and sponsorship management that yielded in 150% 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

## AWARDS & ACHIEVEMENTS

- **Certificate of Merit** Highest scorer in *Computer Science*
- **Gold Certification** HACK4CAUSE 3.0
- **5 ★ Gold Badge** competitive programming by *Hackerrank*
- **IOMRC-2020** project presentation in *Conference*
- **Publication** [A novel approach for accident detection and traffic control](#)
- **Publication** [StartOff: Web Application](#)

## SKILLS

Java 8	Spring Boot	Maven	Tomcat
React Redux	TypeScript	Node Js	jQuery
SCSS	JavaScript	Data Structures	C++
MySQL	Postman	Git	Jenkins

## 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.

**Smart Stick for visually impaired people**

Prototype built using Arduino, Ultra sonic sensor and GSM module

**Enterprise Resource Planning System**

Combined Projects 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.

## Certification

- ❖ Single Page Web Application using Angular Js
- ❖ Advance Styling with Response Design
- ❖ Javascript: Coding Challenge Bootcamp -2020
- ❖ Bootstrap & jQuery - Certification Course
- ❖ Cyber Security and internet of Things
- ❖ Getting started with Azure
- ❖ Modern Javascript for ReactJS – ES6
- ❖ Support Vector Machines in Python
- ❖ The Hands-on Machine Learning Course
- ❖ Statistics & Probability for Data Science
- ❖ Excel Charts and Graphs: Master Data Visualization
- ❖ Data Structures in C++
- ❖ Getting Started with Application Development
- ❖ Fundamentals of Network Security
- ❖ Elements of AI: University of HELSINKI
- ❖ Communication Foundations: LinkedIn Learning
- ❖ Graduate Technical Training Program 2021: Imartus Learning
- ❖ AWS Cloud Practitioner Essentials
- ❖ SQL Database Programming