Aditya Suman

Roll Number : 1601ME01
B.Tech - Mechanical Engineering
Indian Institute of Technology Patna

+91-8789619252
adityasuman2025@gmail.com
aditya.me16@iitp.ac.in
www.linkedin.com/in/adityasuman2025
https://adityasuman.mngo.in

Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2016 - Present	B.Tech	Indian Institute of Technology Patna	7.18 (Current)
2016	Senior secondary	BSEB Board	70.4%
2014	Secondary	CBSE Board	10.0

Experience

- **Engineering Intern at ISTRAC-ISRO, Bangalore** *May 2019 - July 2019*
  Worked in SDG Laboratory to develop an App & Web Interface for monitoring and *https://www.istrac.gov.in*
  control of MEOSAR.
  - Created Web-Socket Client in Java & JavaScript to connect App to the Web-Socket Server built on Python to extract real-time big data coming from satellites.
  - Process and manipulated data to extract relevant information from JSON into human readable format and in a interacting interface.
  - Technologies: Android Studio, Java, REST API, JavaScript, Python, PHP, MySQL, jQuery

- **Software Development Intern at Oxyvin Technologies, Bangalore** *Nov 2018 – Jan 2019*
  Worked on CodeIgniter framework for MVC Architectural Application Development. *https://oxyvin.com*
  - Divided different forms in different steps to be followed in chronological order in each modules and used different Normalization techniques to store data in more structured form in MySQL database.
  - Technologies: CodeIgniter, PHP, MySQL, jQuery, JavaScript, AJAX, Bootstrap

- **Software Development Intern at NGCN Infosolutions, Suratkal** *May 2018 – July 2018*
  Developed an ERP Software used for Billing and Inventory work with features like Multi-Branch *http://ngcn.co.uk/*
  & Multi-User.
  - Created a Single Page Application using jQuery and used AJAX to perform different tasks in background to minimize slow loading and to avoid repeated loading of same UI.
  - Technologies: PHP, jQuery, JavaScript, AJAX, MySQL, phpMyAdmin

- **Full Stack Web Development Intern at CatchFreeDeal, Noida** *Dec 2017*
  Developed a complete website from scratch which displays deals & coupons from *http://catchfreedeal.com/*
  different e-commerce sites.
  - Technologies: PHP, jQuery, JavaScript, AJAX, MySQL, phpMyAdmin, Bootstrap

Projects

- **App for GST Department, Government of Bihar** *July 2019 - Ongoing*
  Dr. Mayank Agrawal & Dr. Jimson Mathew, Dept. of CSE IIT Patna *https://bit.ly/32rf9zd*
  - Developing an App to perform task like extracting data from large CSV files, live location tracker, location & user based content, contact number dialer, feedback system, etc.

- **Key Issue System for IIT Patna** *Feb 2019*
  Dr. Mayank Agrawal & Dr. Jimson Mathew, Dept. of CSE, IIT Patna *https://bit.ly/2LpFmr0*
  - Developed a Key Issue & Return App for the rooms and labs of IIT Patna based on QR Code.
  - Used zxing library of Java sand enabled mobile phone camera to scan QR code of the keys & person.

- **Wi-Fi Based Attendance System for IIT Patna** *Mar 2019 - Apr 2019*
  Dr. Mayank Agarawal, Assistant Professor, Dept. of CSE, IIT Patna *https://bit.ly/2Uix5sC*
  - Developed an attendance system App which uses Wi-Fi technology of smartphone to mark attendance. A student can mark his attendance by connecting his phone to the hotspot created by professor's phone.
  - Used Socket Programming techniques to let the the sockets communicate with each other at a particular IP & PORT over Wi-Fi Network.

- **ChatApp**   *June 2018 - July 2018*
  MNgo   *http://chat.mngo.in*
  - Used Socket Programming libraries of Java to create Socket Client to connect to socket.io Node.js Server.
  - Wrote REST API on Node.js to get user data & old messages and to store new data in mongoDB.
  - Implemented Service & Foreground Process in Android to keep Socket Client running in background even when the app is minimized or closed to get push notification of new messages.
  - Used Multithreading feature of Java to make the App faster and to minimize load on UI thread.
- **Anwesha 2k18 Website's Front-end**   *Sep 2017 – Jan 2018*
  Coordinators, Anwesha, IIT Patna   *https://2018.anwesha.info*
  - Design & developed front-end of the 2018's website of annual cultural fest of IIT Patna.
  - Implemented mousewheel.js to scroll the website horizontally and used jQuery features like mouse location, on scroll, image location coordinates, AJAX, etc to create a unique design of the website.
- **Calculator**   *Sep 2017*
  CS382 - Introduction to OOPs, IIT Patna   *https://bit.ly/2HBbCGd*
  - Implemented Infix to Postfix conversion algorithm, stack data structure and various string functions in Java to develop a standard calculator Android App.

Technical skills

- **General:** Android & Web Application Development, API Development, MVC Architectural Application Development
- **Programming language & Database:** Java, JavaScript, Python, PHP, SQL, MySQL, mongoDB
- **Web Technologies:** jQuery, Node.js, REST API, Web-Socket, CodeIgniter, express.js, HTML, CSS
- **Other Tools:** Android Studio, Git, cPanel, Heroku, Google Cloud Platform Compute Engine, AWS EC2
- **Operating System:** Linux, Windows

Positions of Responsibility

- Former Coordinator,Design Club, IIT Patna (2017 - 2019)
- Former Web & App Team Sub-Coordinator,Anwesha 2018, IIT Patna(2017 - 2018)
- Former Web Master, Entrepreneurship Club, IIT Patna (2017 - 2018)

Achievements

- **Internship at ISRO:** Recieved Letter of Recommendation and ranked among top 2% students worked under S. Santhalakshmi, Scientist 'SF' & Manager SDG, ISTRAC-ISRO.
- **Internship at NGCN:** Recieved Return Offer & Recommendation on LinkedIn Profile from Justin Sebastian, CEO of NGCN, Oxyvin.
- **Professors of IIT Patna:** Got Letter of Recommendation from Dr. Jimson Mathew, Head of Department (HOD) and Letter of Appreciation from Dr. Mayank Agrawal, Assistant Professor, IIT Patna
- **JEE Main:** Secured 98.97 percentile out of 12,07,058 candidates appeared in JEE Main 2016.
- **Key Issue App for IIT Patna:** This App resulted in faster issuing and returning of keys which prevents queue and saves time. 2750+ keys of labs & rooms in IIT Patna have been issued and returned till date.