GOKUL RAJ JAYAKUMAR

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ACADEMIC QUALIFICATION

Pursuing Bachelor of Engineering (Computer Science & Engineering), Panimalar Engineering College, affiliated to Anna University, Chennai, May 2019, CGPA 8.37

INTERNSHIPS

- Paid Internship in Infosys Ltd, Mysore, January 2019.
- Internship in E-commerce, M/s. MSTC Ltd. (Govt. of India Enterprises), Chennai, February 2018.
- Big Data Analytics Training Program, Khadi & Village Industries Commission (Ministry of Micro, Small and Medium Enterprises, Govt. of India), Chennai, January 2018.
- Students Training, M/s. Oil and Natural Gas Corporation, Skill Development Centre, Chennai, July 2017.
- Cloud Computing Internship, Ion-Training Partner of Tata Consultancy Services, Chennai, June 2017.
- Internship Training Program on Android, M/s. Accel IT Resources Limited, Chennai, March 2017.

ACADEMIC PROJECTS

Title: **Fund-Me Application Development (Copyrights Approved, Govt. Of India)**
Location: Panimalar Engineering College, Chennai
Duration: June 2017
Team size: 3
Description: This application provides an individual profile for a person to upload their project or research idea with necessary requirements, like project budget, hands-on tools, and so on. An innovation enthusiast who also has his own profile can look at this project details and can provide funds if it attracted them. The application was built using the Android platform.
Individual role: Designed the application page using Android coding and established a connection with the database, Firebase.

Title: Natural Language Processing based Technological Innovation Scope Identification Employing Advanced Text Analysis
Location: Zion Robotics and Advanced Engineering, Chennai
Duration: July 2018
Team size: 3
Description: The objective was to retrieve the unstructured information from a bunch of given data sets using Artificial Intelligence and information retrieval mechanism for analysis of data.
Individual role: Responsible for building the idea into a working model, creating the database, establishing the connection, and working on its coding in Python.

Title: Water Level Meter using Ultrasonic HC-SR04 and Wi-Fi Module ESP-8266-01
Location: Panimalar Engineering College, Chennai
Duration: December 2017
Team size: Individual
Description: The project helps one to detect the level of water in a water tank and sends an alarm to the user when the water level goes below a required limit. This project makes use of an ultrasonic sensor and the Wi-Fi module interfaced with Arduino microcontroller.
Individual role: Assembled the IoT components and coded the Arduino Micro-controller board using C++. Also, it interfaced the ESP8266 Wi-Fi module with the Arduino Board.

PAPER PRESENTATIONS/PUBLICATIONS
- S Suresh, Dr. N Sankar Ram, S M Seyed Ibrahim, Gokul Raj Jayakumar, 'Redirection of Anomaly Packets towards Traffic Server in Distributed Denial of Service Attack', International Journal of Computer Networks and Wireless Communications (IJCNWC), http://www.ijcnwc.org/vol8no1.htm February 2018.
- Paper presentation on 'Prevention Against Shoulder Surfing', Dhaanish Ahmed Institute of Technology, Coimbatore, September 2017.
- Paper presentation on 'Electrooculography', National Conference on Recent Times in Electronics and Communication Engineering, SMK Fomra Institute of Technology, Chennai, February 2017.

WORKSHOPS ATTENDED
- Machine Learning-AI Workshop by Microsoft Corporation, Anna University, Chennai, February 2018.
- 'Growth Hacking' workshop conducted by Enantra, organized by Centre for Entrepreneurship Development, Anna University, Chennai, February 2017.
- Internet of Things (IoT) workshop, SSN College of Engineering, Chennai, September 2016.
- 'Enjoyable Coding' workshop conducted by the University of Texas at Dallas, conducted at Panimalar Engineering College, Chennai, July 2016.

INDUSTRIAL VISITS
- Oil and Natural Gas Corporation, Chennai, July 2017
- TCS Ion Private Limited, Chennai, June 2017
- Sans Bound Solutions Private Limited, Chennai, June 2016
- Red Back IT Solutions, Vellore, April 2016

TECHNICAL SKILLS
- Programming Languages: C, C++, Java, JavaScript, C#, Python
- Data Retrieval Languages: SQL, Big Data
- Markup Languages: HTML, XML
- Operating System: Windows 9x/2000/XP/7, UNIX
- Platform: Net Beans IDE, Microsoft Visual Studio, MS office, Eclipse
- Algorithmic Expertise: Machine Learning, Artificial Intelligence

AWARDS/ACHIEVEMENTS
- Google Digital Garage certification on 'The Fundamentals of Digital Marketing', July 2018.
- Google Analytics certification on 'Data Analytics', May 2018.
- Achieved an Eminent World Record under the theme, 'World's Biggest International Hands-On Security Forensics Workshop' from Wikitechy and Microsoft Research Community Group, Chennai, September 2017.
- Second place with a "Certificate of Merit" for APP Development, Panimalar Engineering College, Chennai, September 2017.
- Elite NPTEL Online Certification from Indian Institute of Technology-Madras, for 8 weeks online course on 'Introduction to Modern Application Development', July-September 2017.
- Third place in English Essay Writing, Panimalar Engineering College, Chennai, March 2017.
- Certification on 'RC Racing Event of Mechamorphosis', KCG College of Technology, September 2016

EXTRACURRICULAR ACTIVITIES
- Member of Zion Robotics Organization, Chennai, 2015-present
- Playing Badminton in the college team, Panimalar Engineering College, Chennai, from 2015-2018