Vijay K. V. Ganaraju

[redacted]
https://gvkv.herokuapp.com

Education:

University of Dayton — *Dayton, OH*
Master of Science in Computer Science — *Graduation expected in May 2022*

Jawaharlal Nehru Technological University, Kakinada — *AP, India*
Bachelor of Technology in Computer Science and Engineering — *August 2015 – May 2019*
First Class with Distinction — *75.67%*

Experience:

Mi2 Business Solutions Ltd. *(Ceased all operations)* — *May '18 – June '18*
Intern as Front-End Developer
Developed Naukrama.com. A web platform for learners and educators to post articles, take tests and create and join various communities targeted towards college students using Angular 5, Node 8.0 and Microsoft SQL.

Projects:

Real-Time Object Detection. (Github Repository Link) — *February – April '19*
A machine learning application using YOLO algorithm to detect objects and speak out their names and its proximity in distance using Python and OpenCV.
Role: *Application developer.*

Automatic Resumé Generator. (Github Repository Link) — *December – February '18*
A web service that generates a Resumé for you upon provided information using Angular 6, Node.js and MongoDB.
Role: *Front End & Back End Developer.*

My Personal Website (Github Repository Link)
A website to showcase my portfolio, interests and offer my opinions. It is developed using JavaScript, Node.js, MongoDB, ejs, HTML, CSS adhering to MVC architecture and accessibility features (Can be navigated just intuitively with just a keyboard).
Role: Application Developer.

REST API for shopping. (Github Repository Link) — *October '18*
A RESTful web service for managing products, orders and users for e-commerce operations using Node.js, Express.js and MongoDB.
Role: *Back End Developer.*

Website for College Fest. (Github Repository Link) — *December '17*
A website for exploring and registering for various events for Elevar Technical Fest 2K18 using HTML, CSS, Bootstrap and Firebase.
Role: *Front End Developer.*

Autonomous Mini Rover. (Github Repository Link) — *January '18*
A mini vehicle that detects and avoids obstacles on its destined way using Embedded C and buffer for directions.
Role: *Programmer.*

Smart helmet for Coal Miners *March '18*

A helmet with embedded utility hardware to detect heart-rate, poisonous gases and SOS signaler for emergencies using microcontrollers and sensors with Embedded C.

Role: *Programmer.*

Artwork for College Fests (Elevar 2K18 and Taksh 2017). (Works) *August '17 – March '18*

Designed and created artwork for College fests including logos, banners, backdrops etc. using Adobe Illustrator and Adobe Photoshop.

Role: *Co-Lead Designer.*

Achievements:

Chair of *IEEE Student Branch* at Lendi Institute of Engineering & Technology, 2018.

Qualified for Round 1 in *TCS Codevita 7(2018)* with 498th rank out of 100,000 participants and received a full-time job offer from TCS Digital.

Winner of Technical Quiz, conducted by IEI chapter at Lendi Institute of Engineering & Technology, 2017.

Core Competencies:

Programming Languages: *Python, Octave, Embedded C*.

Web Technologies: *HTML, CSS, JavaScript, Angular, Node.js*.

Databases: *Oracle SQL, Google Firebase, MongoDB*.

IDEs: *Eclipse, Android Studio*.

Designing Tools: *Adobe Photoshop, Adobe Illustrator, Blender, Unity Engine*.

Media Editing Tools: *Adobe After Effects, Adobe Premiere Pro, Adobe Audition, Audacity*.

Trivia:

Assembled a series of invited talks with renowned scholars on "*5G Communication*", "*Women in Engineering*", "*Careers in Technology*", "*Leadership skills in surviving and thriving in modern times*" and "*RF Radiation Hazards and its Impact on Human*" on behalf of IEEE (as *Student Chair*).

Conducted bootcamps with my peers on *Android App Development* and *Internet of Things* for sophomores in my junior year in my college (as a Speaker and an Organizer).

Runner up in *College Basketball tournament*, *'17 and '16*.

Good at *3D modelling*, *Video editing* and *Videography*.