KEVIN PRAKASH

kevinprakash30@gmail.com ⬦ kevinprakash.github.io ⬦ +91-9482180235

OBJECTIVE

To work for an organization which provides me the opportunity to hone my skills and knowledge. To develop my ability to work in a team and to grow along with the organization.

EDUCATION

BMS College of Engineering   *August 2016 - Present*
Electronics and Communication   CGPA : 8.76

CMR PUC   *July 2014 - June 2016*
PCME   Overall Percentage: 85.5

SJRPS   *June 2006 - July 2014*
CBSE   CGPA: 9.4

WORK EXPERIENCE

Synopsys Inc, Bangalore   Jan 2020 - Present
Intern (Technical Engineer)

· Working on maintaining the USB 3.X Controller. Working on updating the code to the latest methodology in terms of LINT, CDC and RDC.

PROJECTS

V.I.E.W - Visual Interpreter of Environment Wizard

Created a device that is capable of assisting the visually impaired in their day to day task using Machine Learning. Provides assistance in reading text, describing environment, navigation using maps. Using a Resnet 50, a CNN model was trained that could run fast and accurately on a low power device such as RPi. The user is given the option to provide voice input to activate these features.   (code)

Q Channel ARM Power Interface

Developed an interface for verifying power management systems in AMBA for ARM processors. Using UVM concepts designed tests to verify the functionality of the power management module.

Traffic Controller

Developed a 4 Way Traffic controller using System Verilog with option for interrupt to allow pedestrian crossing.

Snake

Wrote the snake game from scratch in C++ in class based form. With multiple maps, textures and a scoreboard.   (code)

ML Workshop

Conducted Workshop and Competition on Image Classification as a part of UTSAV (BMSCE Cultural Fest). Contestants were thought the concepts of CNN and then had to create a CNN model that worked better than the organizers model.   (Website)

TECHNICAL STRENGTHS

Programming	C, C++ (OOPS and DS), Python (OOPS and DS), Verilog, System Verilog, Matlab, HTML, CSS, JS, Bash
Verilog Tools	DC, Spyglass, VCS, NCVerilog
ML Libraries	Keras, TensorFlow, NumPy, SciPy, Scikit-learn, chainer
Software & Tools	Linux OS, Windows, MS Office, LaTeX

CERTIFICATIONS

Verification of methodology with System Verilog and UVM (Verikwest)   [Certificate]

Machine Learning by Stanford University (Andrew Ng)   [Certificate]

Computer Vision (The School of AI)   [Certificate]

Matlab Certification from BMSCE

EXTRA-CURRICULAR & HOBBIES

Co-Founded NeuralDot in BMSCE   NeuralDot

Math Olympiad (State Rank 14)

Playing Guitar

Photography

Gaming

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Highly flexible can adapt depending on the situation, a never say No attitude.

I am a team player with good coordination abilities.

Good communication skills.