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Teaching Statement

Dear Professor,

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I aspire to be on a continuous learning curve through teaching practice at an academic institute. I have always enjoyed interacting with young minds which would enhance my thirst to know more and more. With a great impact from my teachers during my bachelor's and master's days, I opted for my professional career as a faculty with a great passion and love. With my five years of teaching experience and four years of research experience, I adhere to getting back to the teaching role always. Being a computer science engineering practitioner, I have engaged myself in the courses mentioned below with hands experience and like to share the knowledge I have gained over the period with fellow students.

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|------------------------------|---|---|
| <i>Programming Languages</i> | : | C/C++, Java, Python. |
| <i>Virtual Reality</i> | : | 3D Models, 3D Interaction, AR/VR/MR/XR Technologies and Applications |
| <i>Computer Graphics</i> | : | Interactive Computer Graphics with WebGL, OpenGL, Visualization Toolkit (VTK) |
| <i>Data Analytics</i> | : | Data Visualization using Tableau, Data Analysis with R Programming |
| <i>Networks</i> | : | Data Communication, Computer Networks, IoT, WSN, Blockchain, Smart Contracts, Dapps, Blockchain platforms |
| <i>Machine Learning</i> | : | Neural Networks, Support Vector Machines |

With the support of the hosting institution and external funding agencies, I aim to set up a research Lab/Group in the computer vision and virtual reality domain. I plan to assist graduate students to accomplish their degree requirements by carrying out quality research in their early stages of academics. I seek institution and external funding agencies' support to procure the resources required for carrying out in-house research and development. My major research interest are into Human Activity Recognition (HAR), Human Computer Interaction (HCI), Human Motion Analysis, Motion Capture Systems (MoCap), Computer Vision, Virtual Reality (VR), Pose estimation, Sensors, and Visualization techniques.

Along similar lines, I wish to contribute to the open-source community and publish novel research work in reputed journals and conferences. Also, I have a couple of novel breakthrough ideas to get patented throughout the research tenure.

Sincerely,
Bharatesh Chakravarthi